Asbestos & Lead Inspection Report General Electric – Pittsfield Building No. 31 (Boiler House)

ATTACHMENT E

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM ASBESTOS)

SciLab Job#: 99085590
Client Name: ATC Associates

Table I Summary of Bulk Asbestos Analysis Results

01398.00013; BBL/ Bldg #31; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	05398-00013-15A	15	0.391	79.03	2.05	18.93	NAD	NAD
	Roof 1 SW							
02	05398-00013-15B	15	0.392	91.33	1.53	7.14	NAD	NAD
	Roof 2							
03	05398-00013-15C	15	0.437	84.21	1.83	13.96	NAD	NAD
	Roof 3							
04	05398-00013-15D	15	0.365	89.32	5.75	3.93	NAD	Chrysotile <1.0
	Roof 4							
05	05398-00013-15E	15	0.438	82.19	6.39	11.42	NAD	Chrysotile Trace
	Roof 5							
06	05398-00013-15F	15	1.02	68.14	2.25	29.61	NAD	Chrysotile Trace
	Roof 6				•			
07	05398-00013-15G	15	0.562	82.03	3.20	14.77	NAD	NAD
	Roof 7							
08	05398-00013-16A	16	0.052	61.54	34.62	3.85	NAD	NAD
	Roof 1							

Reviewed by:	fluc

PLM analyst: Christine Tappen ; TEM analyst: AJ Angel Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not and Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; TEM (Semi/Full) by EPA 600/R-93/116; or ELAP 198.1/198.4 NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <or=1%; Quantitation for beginning weights of <0.1 grams should be consid Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

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09	05398-00013-16B	16	0.142	85.92	7.04	7.04	NAD	NAD
	Roof 4							
10	05398-00013-17A	17					Chrysotile 10.	NA
	Roof 1 AHU Suport							
11	05398-00013-17B	17	***	***	****	******	Chrysotile 3.	NA
	Roof 4							
12	05398-00013-17C	17		***		44 ig. as 34	Chrysotile 12.	NA
	Roof 6							
13	05398-00013-17D	17		***	***	****	Chrysotile 12.	NA
	Roof 5							
14	05398-00013-17E	17			***	M. de Mr en	Chrysotile 3.	NA
	Roof 7				•			
15	05398-00013-18A	18	4-2-4-4	Maring Park	Vanish with Mile	Marie de con	Chrysotile 15.	NA
	Roof 1 SW Perimeter			,				
16	05398-00013-18B	18	0.008	75.00	12.50	11.50	NAD	Chrysotile <1.0
	Roof 2							

Reviewed by:
PLM analysts Christina Tappan
PLM analyst: Christine Tappen; TEM analyst: AJ Angel
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Client Name: ATC Associates

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17	05398-00013-18C	18	0.359	96.38	2.79	0.84	NAD	NAD
•	Roof 3							
18	05398-00013-18D	18	0.041	51.22	43.90	4.88	NAD	NAD
	Roof 4							
19	05398-00013-18E	18	***	***		*****	Chrysotile 10.	NA
	Roof 5							
20	05398-00013-18F	18	***	****	most death	and the second	Chrysotile 10.	NA
	Roof 6							
21	05398-00013-19A	19	0.133	94.74	3.01	2.26	NAD	NAD
	Roof 1 Under Metal On 1	Parapet						
22	05398-00013-19B	19	0.121	97.52	1.65	0.83	NAD	NAD
	Roof 5 Under Metal On 1	Parapet			•			
23	05398-00013-20A	20	****	deren	and any other districts	Month and Will	Chrysotile 65.	NA
	Roof1 Stack 1 Breeching	(Hatch Doo	or)					
24	05398-00013-21A	21	***	No observation also		On any world.	NAD	NA
	Roof 1 Stack 1 Breechin	g						

Reviewed by:	
PLM analyst: Christine Tappen;	TEM analyst: AJ Angel
Qualitative Analysis: Asbestos analysis results of "Present" of	r "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed

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Scilao JoJn: >9083370

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SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
. 25	05398-00013-21B	21	****	****	***	: Marine	NAD	NA
	Roof 1 Stack 1 Breeching							
26	05398-00013-21C	21	and the state of	alle liber dan sala		****	NAD	NA
	Roof I Stack I Breeching					*		
27	05398-00013-22A	22	***	****	An also represent	A Consider	Chrysotile 25.	NA
	Roof 1 Stack 1 Conveyor	Piping			•			
28	05398-00013-23A	23	***			With Name of the	Chrysotile 25.	NA
	Roof I Stack I Conveyor	Piping						
29	05398-00013-24A	24	***	en direction		***	NAD	NA
	Stack I Roof I Breeching							
30	05398-00013-25A	25	uple dates rather other	Aprillo de sin	40.00 (Co.00)	efficie de con	Chrysotile 25.	NA
	Roof 1							
31	05398-00013-26A	26	***	****	on do do-in	Minus no de	NAD	NA
	Roof 2							
32	05398-00013-26B	26		47 M. 100 M	at 10 At 10	White day and	NAD	NA
	Roof 3							

PLM analyst: Christine Tappen_____; TEM analyst: AJ Angel_____;

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;

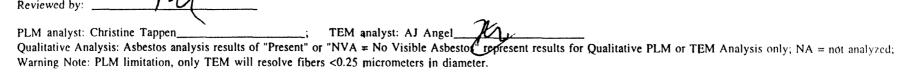
Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

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33	05398-00013-27A	27	****	***			Chrysotile 10.	NA
	Roof 2							
34	05398-00013-27B	27	***	****	***	No. op. och dig	Chrysotile 10.	NA
	Roof 6							
35	05398-00013-28A	28	***	distribution dis	administration	b more	Chrysotile 5.	NA
	Roof 2							
36	05398-00013-29A	29	***	de en de en	Marie and the	Maradia anti-Ma	Chrysotile 12.	NA
	Roof 2							
37	05398-00013-30A	30	# 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		20-30 en en	Age also with side	Chrysotile 18.	NA
	Roof 2							
38	05398-00013-30B	30	****		Marries and other	***	Chrysotile 3.	NA
	Roof 3				•			
39	05398-00013-31A	31	***	****	manage with rise	dicities are also	Chrysotile 2.	NA
	Overhang At West Entry							
40	05398-00013-32A	32	***	an manan da	***	****	Chrysotile 12.	NA
	Overhang At West Entry							



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41	05398-00013-33A	33	***	****	##	m. ac ac ac	NAD	NA
	Roof 2							
42	· 05398-00013-34A	34	0.189	45.50	6.88	45.62	NAD	Chrysotile 2.0
	Roof 4							
43	05398-00013-34B	34	0.206	54.37	11.17	34.47	NAD	NA/PS
	Roof 4							
44	05398-00013-35A	35		****	***	Mill refer to the	NAD	NA
	Roof 5							
45	05398-00013-36A	36	0.734	77.52	3.54	18.94	NAD	Chrysotile Trace
	Roof 5							
46	05398-00013-37A	37	***	****	***	din developas	Chrysotile 10.	NA
	At Base Of Stack 3 Roof 5				•			
47	05398-00013-38A	38	0.702	53.13	3.13	42.73	NAD	Chrysotile <1.0
	Roof 5							
48	05398-00013-39A	39	***	***	***	NOT THE COLUMN	Chrysotile 12.	NA
	On Stairwell Enclosure Ro	of 5						

Reviewed by:

PLM analyst: Christine Tappen_____; TEM analyst: AJ Angel_____;
Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;
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Scillan John. 39063290

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SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	05398-00013-40A	40	*	****	***	apa apa ata da	Chrysotile 65.	NA
·	Roof 6 Stack 2 Breeching							

Reviewed by:	A =
PLM analyst: Christine Tappen;	TEM analyst: AJ Angel
Qualitative Analysis: Ashestes analysis results of "Present" o	r "NVA - No Visible Ashestor" convergent results for Qualitative DLM or TEM Analysis and a NA - n

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" Tepresent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

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Lab ID	Field ID	Description	Colog	Homogenity	Texture	Frable	Mombology	Extinction	Sign of Etongation	Bueinngence	Pleochroism	OIL	<u>[</u>	bers	Chrysotile	Amosite	Crocodolite	Tremolite	Anthophyste	Actinolite	Fiberglass	Mineral Wool	Cellulose	Наи	Synthetic	Other	Non Fibrous	Asbestos Detected : Yes / No
	07398 00013-	BLACK TAR / FELT ROOFING MATERIAL ROOF 1 SW					-					1.550			i i		ř	200		126								
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	07398 00013-	BLACK TAR/ FELT ROOFING MATERIAL ROOF 7					1U	-					1.550							3									
	01388	BROWN ROOFING PAPERY ROOF !				_							1.550	1															
	01318 00013-	BROWN ROOFING PAPER/ROOF 4						-					1.550	1															
		BLACK ROOFING SEALANT / ROOF I AHU SUPPORT											1.550	1															
	01398	1							† -	1		 -	1.550	1			1												\
	0138 00013	BLACK ROOFING SEALANT / ROOF 6							+				1.550	_															
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Lab ID	Field ID	9085590 Description	Color	T			sumated % Aspestos	1-	Extinction					<u>[</u>	pers)	Chrysotile	Amoske	Crocidokte	Tremokte	Anthophyde	Actinoide	Fiberglass	Mineral Wool	Cettulose	жен	Synthetic	Other	Non Fibrous	Aspestor Octeded Tes / No
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	01318									-			1.550																
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Lab ID	Ç) Field ID	9085590 Description	Cotor	Homogenity	Texture	Fnable	sumated % Aspestos	Morphology	Extinction	Sign of Elongation	Greingence	Pleochroism		OIL	[Fib	eis	Chrysotile	Amosae	Crocidolite	Translite		Anthophyde	Actinolite	Fiberglass	Mineral Wool	Cellulose	Наи	Synthetic	O. C.	Non Fibrous	Aspestos	Detected : Yes / No
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Address: PMSFIELD, MA Branch & Office #: ELYN BL Woburn, MA 01801 Qty Recv'd: 49 Rate:5 Phone (781) 933-5074 Fax (781) 938-1487 Requested Completion Date: 8/9/99 Please Circle Desired Turn Around Time Sampled By/Date: Noom Lesko/8/4/99 Project #: 0139800013 Same Day 24 Hour 3 Hour Results to: DERRICK WISSMAN Supplemental #:____ Phone #: 413-525-198 Project Manager: DERRICK WISHMAN 18 Hour Fax#: 413-525-8227 Standard 10 Days Comments/Special Instructions: Awares au Samples 5 Days 3 Days Date:_____ Lab QC Approval By:_ Analyzed By:_____ % Asbestos Fibers Present | % Hon Asbestos Present | Biretringence Optical Properties Refractive Indices 99085590 sumated % Aspestos Fibers sign of Elongation **Gwelingence** Morphology Extinction OIL Description Field ID Lab ID 11 1.550 WHITE INSULATION! 0398 1.680 Roof 1-STACK 1 00013-BREECHNA 213 1.550 01398 WHITE INSULATION/ 1.680 00013-Roof 1- STACK 1 210 BREECHING 1.550 ROPE GASKET II/ 013918 Roof 1 - STACK 1 00031 1.680 CONVEYOR PIPING 22 A 1.550 GRAY GASKET PACLING 01398 00013 | ROOF 1 - STACK 1 1.680 CONVEYOR PIPING 23A STACK I BREECHING 1.550 01398 500T/ Roof 1-1.680 00013-STACK I BREECHING 24P 1.550 HONEY COMB INSULATION DETO 00013 DEBRIS / Roof 1 1,680 25A Alexan Sohr a/5/2/ / Relinquished By/Date Relinquished By/Dale: Received By/Dalo

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Lab ID	Field ID	99085590 Description	Color	Homogenity	Texture	Fnable	sumated % Aspestos	Morphology	Extinction	Sign of Elongation	Greinngence	Pleochronsm	OIL	(<u> </u>	bers)	Chrysotile	Amoske	Crocedolite	Tremoite	Anthophysie	Actinolite	Fiberglass	Mineral Wool	Cellulose	Han	Synthetic	Other	Non Fibrous	Asbestos Detected : Yes / No
	07398 00013- 264	WHITE ROSFING SLBSTRATE, ROSF 2					3	_				_	1.550					701	14		7								
	01398 00013- 11B	WHITE ROOTING SUBSTMATE/ROOF 3											1.550								70.00								
	01398 00013-	TAR COAT ON VENTS / ROOF 2											1.550 1.680																
	01398 00013- 27B	TAR COAT ON VENTS / Roof 6								_			1.550					(4) (1)											
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Woburn, M Phone (781	933-5074	, v,	Qh	/R	ecv	/ˈdː	-	10	L_		_R	ale	् <u>ड</u> -		·									مارد. وم					1
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Lab ID	Field ID	99085590 Description	Color	Нотоделіту	Texture	Fnable	sumated % Aspestos	Morphology	Extinction	Sign of Elangation	Breinngence	Pleochroism	OIL	(Fib	ers								Mineral Wool	Cellulose	Наи	Synthetic	Other	Non Fiorous	Aspestos Detected : Yes / No
	10.0.0	CAULK ON METAL TRIM/ Roof 2					U	-					1.550						33.4		24.								
	0139.8	TRIM / Root 3									 -		1.550																
	०१३१८	ROOFING SHINGLE/ OVERHANG AT WEST ENTRY											1.550 1.680	1															
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	01398								 	1			1.550	1			13												
	01318 000135 34A	ROOFING PATCH II/							+		 - -	 -	1.550	-				133				\						1	
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	933-5074	Fax (781) 938-1487	Qt	y•R	ecv	/ˈdː	4	1_			_Ra	ale	है। ड												Ac			·	ì
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Lab ID	Field ID	Description	Cotor	>			Estimated % Aspestos	Morphology	Extinction	Sign of Elongation	Breinngence	Pleochroism	OIL	[pers	Chrysotife	Amosite	Crocidolite	Tremolde	Anthophysie	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hast	Synthetic	Other	Non Fibrous	Aspesios Detected Yes / No
	01398 00013. 34B	ROOFING PATCH II											1.550 1.680																
	01398 00013- 35A	BLACK/BROWN ROOFING SUBSTRAT ROOF 5	ie.										1.550 1.680																
	01398 00013- 36A	ROOFING MATERIAL											1.550 1.680	1															
	01398 00013 37A	GRAY SEALANT (AT BASE OF STACKS) Roof S)										1.550 1.680	1															
		Roofing PATCH III Roof 5											1.550 1.680	1															
	013AB 00013	GREY SEALANT ON STAIRWELL ENCLOSURE/ KOOFS						_			-		1.550	-			100		i.		32							\	
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Woburn, MA Phone (781)	933-5074	Fax (781) 938-1487	Qt	v·R	tec	v'd	: (4-	1			Ra	te:	er s				Ad Ad	nor ^a dres	roje s:_	P	<u>s.</u> W	SEI	dr.	, W	 _A	۷)		,	,
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Milaly Zeo Oy				V	isua			To	plic	al P	ropo	ertie	.5		tive Indic	es	% A	sbes	os Fi	bers	Prese	nl	% Nor	Asbe	stos F	resent	Bir	elringe	nce	-
Lab ID	Field ID	9085590 Description	Color	Homogenity	Texture	Fnable	sumated " Aspestos	Mombology	Extinction	See of Floodston	200000000000000000000000000000000000000	Suciningence	Pleochroism	OIL	Fibe	is)	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophylite	Actinolite	Fiberglass	Mineral Wool	Celtulose	Haif	Synthetic	Other	Non Fibrous	Aspest6s Detected: Yes / No
	01398 00013 40A	BREECHING CASKE Roof 6 "STACK 2 BREECHING	7					-						1.550							1.2	5 5								
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Scillao 10hm. 99000091

Client Name: ATC Associates

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Table I Summary of Bulk Asbestos Analysis Results

01398.00013; BBL/Bldg #31; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	01398-00013-41A	41	an state of	****	acous so sh	an ac andre	NAD	NA
	(Main Bldg) NW Corner							
02	01398-00013-41B	41	40 AP AP AP	***		and the state of the	Chrysotile 6.	NA
	(Main Bldg) W. Wall							
03	01398-00013-41C	41	****	es annotati		*****	NA/PS	NA
	(Main Bldg) N. Wall							
04	01398-00013-42A	42	****	****	****	all the selected.	NAD	NA
	(Main Bldg)							
05	01398-00013-42B	42	in the sixter of	49-100-90 100	20 m m m	90-40-20-20-	NAD	NA
	(Main Bldg)							
06	01398-00013-42C	42	***	40 to 10	***	alter den deb selo	Chrysotile 5.7	NA
	(Main Bldg)				•			
07	01398-00013-43A	43		****	10,10,10	44. pp. 34. 400	Chrysotile 20.	NA
	Transite Window Panel							
08	01398-00013-44A	44				40 et 40 Ta	NAD	NA
	By NW Door							

Reviewed by:	Mucha_ Barellele
PLM analyst: Costi Ilies/Christine Tappen; TEM analyst: Paul	Mucha_ Kullula
Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos"	represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;
Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diamete	r.

SciLab Job#: 99085591
Client Name: ATC Associates

Table I Summary of Bulk Asbestos Analysis Results

01398.00013; BBL/Bldg #31; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
09	01398-00013-44B	44				***	NAD	NA
	NE Corner Bay Door				•			
10	01398-00013-44C	44	***********	-	· . ****		NAD	NA
t k	By Stack 1 Near Large Ver	nts						
11	01398-00013-44D	44	***	***		an death an	NAD	NA
	S. Wall By Double Doors							
12	01398-00013-44E	44			****	AL 40.40 AL	NAD	NA
	Wall Near Stack 1							
13	01398-00013-44F	44	****	********		qui alle Adit dis	NAD	NA
	W. Wall By Stairs To Doo	or						
14	01398-00013-44G	44	***	***	****	de salvation de	NAD	NA
	N. Wall (Over Concrete)				•			
15	01398-00013-45A	45	****	****	+===	***	Chrysotile 10.	NA
	Cube Window							
16	01398-00013-46A	46	No do-do-No.	****		***	Chrysotile 12.	NA
	Cube Windows							

Reviewed by:	
	TEM analyst: Paul Much Del Chelo
PLM analyst: Costi Ilies/Christine Tappen;	TEM analyst: Paul Mucha
Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = N	lo Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;
Warning Note: PLM limitation, only TEM will resolve fibers <0.25 mic	crometers in diameter.

SciLau Josh. 308331 Client Name: ATC Associates

Table I Summary of Bulk Asbestos Analysis Results

01398.00013; BBL/Bldg #31; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Ashestos % by PLM/DS	** Asbestos % by TEM
17	01398-00013-47A	47	0.386	70.21	3.37	26.42	NAD	NAD
	N. Control Room							
18	01398-00013-48A	48		****		W. Alleyson	Chrysotile 8.5	NA
	On Compressor Piping							
19	01398-00013-49A	49	***			MP Minus da.	NAD	NA
	On Compressor Piping							
20	01398-00013-50A	50	0.048	91.67	2.08	6.25	NAD	Chrysotile Trace
	North Side							
21	01398-00013-51A	51			20-10 At 40	MA-RE-COLAN	NAD	NA
	(Behind Metal Jacket North	th - Stack 3)					
22	01398-00013-51B	51		All distances	40 Mb 40 Mb	erri dipulajo alti.	NAD	NA
	(Behind Metal Jacket North	th Stack 3)			•			
23	01398-00013-51C	51		***	****	*****	NAD	NA
	(Behind Metal Jacket North	th Stack 3)						
24	01398-00013-52A	52	0.439	70.39	3.87	22.74	NAD	Chrysotile 3.0
	North Under Railroad							

Reviewed by:	
PLM analyst: Costi Ilies/Christine Tappen;	TEM analyst: Paul Mucha Local Mucha
Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No	o Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;
Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micr	rometers in diameter.

SciLab Joo#: 99085591
Client Name: ATC Associates

Table I Summary of Bulk Asbestos Analysis Results

01398.00013; BBL/Bldg #31; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
25	01398-00013-53A	53	***			ace entered	Chrysotile 20.	NA
	Exterior - North On Stack	3						
26	01398-00013-54A	54	0.645	13.80	76.12	10.08	NAD	NAD
	Exterior Office Area							
27	01398-00013-54B	54	0.632	12.50	38.92	48.58	NAD	NAD
	Office Area South							
28	01398-00013-55A	55	30-30-40 ·	de series de		****	Chrysotile 3.	NA
	Exterior Office Area (Wine	dow South)					
29	01398-00013-55B	55	****	. •===	desired Advisor	****	NA/PS	NA
	Exterior Office Area (East	Door)						
30	01398-00013-56A	56	***	ganalida da			Chrysotile 10.	NA
	Exterior Penthouse				•			
31	01398-00013-56B	56	ga administrativ	****	****	per and a second of the	NA/PS	NA
	Exterior Penthouse East							
32	01398-00013-56C	56	***		****	Marin strengs	NA/PS	NA
	Exterior Penthouse NW							

Reviewed by:	TEM analyst: Paul Mucha Wello
PLM analyst: Costi Ilies/Christine Tappen;	TEM analyst: Paul Mucha WWW WWW.
	No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;
Warning Note: PLM limitation, only TEM will resolve fibers <0.25 mi	crometers in diameter.

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Client Name: ATC Associates

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Table I Summary of Bulk Asbestos Analysis Results

01398.00013; BBL/Bldg #31; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	01398-00013-57A	57		distribution and the second		*****	Chrysotile 20.	NA
	Exterior Penthouse							
34	01398-00013-58A	58	M. do 10 M.	****	en de de de	****	NAD	NA
	Exterior Penthouse							
35	01398-00013-58B	58	****		****	data-data-data	NAD	NA
	Exterior Penthouse							
36	01398-00013-59A	59	0.682	7.77	61.29	30.94	Chrysotile Trace	Chrysotile Trace
	Penthouse South							
37	01398-00013-60A	60	no as to its	-	***	***	Chrysotile 20.	NA
*	Exterior Penthouse							
38	01398-00013-61A	61	***	***	****	***	Chrysotile 22.	NA
	Exterior Conveyor Bunker				•			
39	01398-00013-61B	61	***		***	* *************************************	NA/PS	NA
	Exterior Conveyor Bunker							

Reviewed by:	A analyst: Paul Mucha Paul la for Qualifoting PLM or TEM Analysis cally NA analysis
PLM analyst: Costi Ilies/Christine Tappen; TEN	1 analyst: Paul Mucha
Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Vis	sible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;
Warning Note: PLM limitation, only TEM will resolve fibers <0.25 microme	ters in diameter.

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3 1 to	lour 5 (esired Turn Around Time Some Day 24 Hour Days Standard 10 Days	Pr Su Pr	oje oje	ct# lemi ct M	en lar	tal #	Y:_ er:	EC D)e	eruc Iruc	LIC clio	ns: 51	SSM	 	: F10	Re Ph	sult	s to	2:)E0	2/2/	. 9 c	سر	221 3P1	ma		5. '	77	
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Lab ID	Field ID	Description	Color	Γ		Friable		寸			Breinngence		OIL	[pers		Π	Π	Τ		Τ			Cellulose			Other	Non Fibrous	Aspestos Detected : Yes / No	
	01398 0013	INTERIOR WINDOW GLAZE (MAIN BLOG) NW CORNER					-	-				_	1.550 1.680			10		i i	14	3	23.									
	0134B	INTERIOR WINDOW GLAZE (MAN COOK) U. WALL											1.550																y.	
	01398	INTERIOR WINDOW GLAZE (MMN BLOG) N.WALL						-					1,550 1,680																	
general de la companya de la company	01398 00013 421		1										1.550 1.680																	
	01398 00013	EXTERIOR WARDOW CAULK (MAIN BLOG)											1.550					84.0												
And the second s	0139B 00013 42C	MAIN BURG)								_			1.550				36 T	**	*		19	\						/		
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	our s	sired Turn Around Time Frame Day 24 Hour #8 Hour ays Standard 10 Days	Pr Su Pr	oje oje oje oje	em en cl k	reni Mar	lal /	#: er:_ ecia	De la la	ec En	r)	ior	الما کے اs:_ح	ssm	AT .	£,	Res Pho	ults ne	to: #:	7 7 0	ER 13	- 2 - 2	an as as	-1/ -1/	&¢ β₽ Ω6	YA!	<u>)</u> 	99	
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Lab ID	Field ID	Description	Color	Homogenity	Texture	Frable	stimated % Aspestos	Morphology	Extinction	Sen of Elangation	Saeimigence	Pleochroism	OIL	Fib	eis	Chrysotile	Amosde	Crocidolite	Tremoide	Anthophylde	Actinolite	Fiberglass	taneral Wool	Celluiose	Нам	Synthetic	Other	Non Fibrous	Aspesios Detected Yes / N
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	013510	GRAY INDUSTRIAL						_		_	_	_	1.550			1222						$ \cdot $	$ \rangle$						
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	01398	GRAY INDUSTRIAL COAT BY SMCKI, NEAR LARG	-					-	-		-		1.550	1	-	-					K								
	11110	SPACE VIEW AND	.=					-	-		-		1.680		 	-18						\		\] \		
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Lab ID	Field ID	Description	Coior	Homogenity	Texture	Fnable	sumated % Aspestos	Morphology	Extinction	Sign of Elongation	Birefingence	Pleochroism	OIL	<u></u>	ers]	Chrysotile	Amosse	Crocodolite	Tremolite	Anthophysie	Actinolite	Fiberglass	Mineral Wool	Cellulose	Наи	Synthetic	Other	Non Fibrous	Aspestos Detected : Yes / 140
	01398	CARAY INDUSTRIAL COAT - W. WALL BY STAIRS TO DOOR					ב	_					1.550					E-120000	14,		2.7								
	01398	CORT - N. WALL (OVER CONCRETE)	-							_		_	1.550							*									
	01398												1.550	1															
	01398 02013 46A	INTERIOR WINDOW CANCE II / CUBE WINDOWS	- -									_	1.550	1															
	01200												1.550	1															
	01398	CALLE ON COMPLESSO	R										1.550	-															
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Woburn, MA Phone (781)	933-5074 F	ax (781) 938-1487	Qty	/·R	ecv	r'd:		39	1_		_R	ate	\$				Ad	dre	ss:_	9	M	SEI	o.o	· ^	Ac			¥	
Please 3 He 3 Days	o Circle Des our S (5 Da	sired Turn Around Time anno Day 24 Hour 18 Dour ays Standard 10 Days	Pro Su Pro	oje ppl oje	en em cl N	en Mar	tal nag	#:_ er:	:_ ()e Ins	er Lruc	i dio	ns:	3 506	PU ,	•	Re Ph	sult one x #:	s to: #:_	D 4	EQ 13	A C	92 CAP	<u>v</u> '1-1' 3-2	221 3P.	<u>am</u>	.22	49	
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Lab ID	Field ID	Description	Color	Нотоделіту	Texture	Friable	sumated % Aspestos	Morphology	Extinction	Sign of Elongation	Энеппделсе	Pleochroism	OIL	[Fib	eis	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophysie	Actinolite	Fiberglass	Mineral Wool	Cellulose	Haif	Synthetic	Other	Non Fibrous	Aspestos Detacted Yes / No
		COMPRESSUR PIPING				_	tij		1-				1.550					3.33	14		Z,								
	99A 01398 00013	TAR PIPE WRAP! NORTH SIDE	- -		-	-	-	-	+	 			1.550	1															
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Branch & Office #: CLM TI

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	01398	WHITE EXTERIOR WINDOW GLARES ENTERIOR OFFICE AREA	,										1.550	1															
		WHITE EXTENTION WHOSE GLAVE / OFFICE AND A SOUTH											1,550	1															
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	01398 00013 56 A	TAR COAT ON COLRUGATED METAL WALLS/ EXTERIOR- PENTHOUSE											1.55	-					i										
Relinquished	d By Dale	from 1/w 5/8/97	1	2	₹ ¢ III	iqu	1/3/11	cu L	y/U	, U 1 C	-									-									

Received By Dale

(M) 1045 8/6/99 Received By/Date

Woburn, MA Phone (781)	01801 933-5074 F	ax (781) 938-1487	Qt	y·F	Rec	v'c	l:	_2	39			Ra	te:	8/1/c																•	
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	01398 00013 56B	TAR COATON CORRUGATED METAL WALLS/EXTERIOR.	- -					Ü	- - - -					1.550		-5-2-3					3										
	00013.	PENTHIBUSE EAST THE COAT ON METAL CORRUGATED METAL WALLS - EXTERYOR PENTHOWE NW	_ _		_ -									1.550	1															1	
	1	YY" TRANSITE BOAR -EXTERIOR PENTHOUSE	E										-	1.550	1																
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Lab ID	Field ID	. Description	Color	Нотоделіту	П	Fnable	308	Ť	Extinction		П	OIL	Fil	pers	Chysotile						Fiberglass	Mmeral Wood	Cettulose	Наи	Synthetic	Other	Non Fibrous	Aspesios	Detected Yes / No
	01398 00013- 68A	3/8" TRANSITE BOARD/ EXTERIOR PENTHOUSE										1.550					re	14	134	21									
	013998 00013- 611	WAFFLE BOARD TRANSITE/EXTERIOR CONVEYER BUNKER										1.550 1.680							*										
	01398 00013- 61B	BLACK ROOF RIDGE GASKET/EXTERIOR CONVEYOR BLAKER										1,550 1,680																	
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Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

0139800013; Pittsfield, MA

SciLab Sample	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
76	0139800013-104A	104		***		N = **	NAD	NA
	Boiler #17			•	•			
77	0139800013-104B	104	****	****		ng, jay san dir	NAD	NA
	Boiler #17							
78	0139800013-104C	104		****	***	***	NAD	NA
	Boiler #17							
79	0139800013-105A	105			****	***	Chrysotile 3.	NA
	1st Floor, Boiler #17							
80	0139800013-106A	106	0.395	60.60	5.54	33.86	NAD	Chrysotile Trace
	At Intake for Boiler #18,	Basement						
81	0139800013-107A	107	****	***		~~~	NAD	NA
	At Intake for Boiler #18,	Basement			1			
82	0139800013-108A	108		an 40 an 40	***	***	Chrysotile 25.	NA
	East Side of Boiler #18 a	t Floor Gra	te, 1st Floor					
83	0139800013-109A	109	***		***	a. a. a. a.	NAD	NA
	Boiler #18a 1st Floor, East	st Side						

Reviewed by:

PLM analyst: Bryan Manke Third ; TEM analyst: Sandhya Gunasekara Woodleve

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

0139800013; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
100	0139800013-121A	121				***	Chrysotile 65.	NA
	2nd Floor, West Side, Bo	iler #17						
101	0139800013-122A	122			an an an an	an ear All to	Chrysotile 45.	NA
	2nd Floor, West Side, Bo	ler #17						
102	0139800013-122B	122			***	***	NA/PS	NA
. *	2nd Floor, South Side, Bo	oiler #17						
103	0139800013122C	122		****	***	****	NA/PS	NA
	4th Floor, East Side							
104	0139800013-123A	123			Ab 40 99	***	Amosite 20.	NA
*	1st Floor, West Side, Boi	iler #17						
105	0139800013-124A	124	***	****	***	***=	Chrysotile 3.	NA
	1st Floor, Room 101				•			
106	0139800013-125A	125	0.196	15.73	32.69	51.58	NAD	Chrysotile Trace
* *	1st Floor, Room 101							
107	0139800013-126A	126		****	***	00 00 00 m	NAD	NA
	1st Floor, Room 102		ŕ					

Reviewed by:

PLM analyst: Brynn Manke Thy ; TEM analyst: Sandhya Qunasekara Novaclore.

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

0139800013; Pittsfield, MA

SciLab Sample	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
108	0139800013-127A	127				***	NAD	NA
*	1st Floor, Room 01, Insid	le Metal Wa	all Panel					
109	0139800013-127B	127	***			***	NAD	NA
	1st Floor, Room 02, Insid	ie Metal Wa	all Panel					
110	0139800013-128A	128	0.292	41.32	3.39	55.29	NAD	NAD
	1st Floor, Room 02							
111	0139800013-129A	129	0.106	93.67	4.16	2.17	NAD	Chrysotile Trace
,	1st Floor, Room 02				•			
112	0139800013-130A	130			***		Chrysotile 4.	NA
	Room 03							
113	0139800013-131A	131	0.103	84.05	3.70	12.26	NAD	Chrysotile Trace
	Room 03				4			
114	0139800013-132A	132	W No. and We			We spe on the	NAD	NA
*	Room 03							
115	0139800013-132B	132		***		***	NAD	NA

Reviewed hy

PLM analyst: Bryn Manke 5th ; TEM analyst: Sandhya Qunasekara Pernoxelere

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

0139800013; Pittsfield, MA

SciLab Sample	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
116	0139800013-133A	133	0.50	54.53	1.96	43.51	NAD	NAD
	Room 03			·				
117	0139800013-134A	134	****	***		***	NAD	NA
¥	Room 07, West Wall, Of	fice Area						
118	0139800013-134B	134			us en de de	***	NAD	NA
	Room 08, West Wall, Of	fice Area			•			
119	0139800013-135A	135	***	****		****	NAD	NA
,	Room 08, East Wall							
120	0139800013-135B	135	****		***	de se dé in,	NAD	NA
	Room 07, West Wall							
121	0139800013-135C	135				***	Chrysotile Trace	NA
	Room 09, East Wall				•			
122	0139800013-136A	136			***	****	NAD	NA
	Room 04							
123	0139800013-137A	137	****			****	NAD	NA
	Room 06, North Wall							

Reviewed by:

PLM analyst: Bryan Manke Diu ; TEM analyst: Sandhya Gunasekara Woncelcon

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

0139800013; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
124	0139800013-137B	137				****	NAD	NA
	Room 06, North Wall							
125	0139800013-137C	137			ato 400 ato	***	NAD	NA
,	Room 06, North Wall							
126	0139800013-138A	138	0.481	20.16	77.51	2.33	NAD	Chrysotile Trace
	Room 12							
127	0139800013-139A	139	0.314	33.83	19.54	46.63	NAD	NAD
	Room 12							
128	0139800013-140A	140	der Vig. aus das	***			Chrysotile 15.	NA
	on Deck, Room 13							
129	. 0139800013-140B	140			***	***	NA/PS	NA
	on Deck, Room 07				•			
130	0139800013-140C	140	****	4443	****		NA/PS	NA
	on Deck, Room 12							
131	0139800013-141A	141	***	****		***	Chrysotile 7.	NA
	Room II							

Reviewed by

PLM analyst: Bryan Manke Bir ; TEM analyst: Sandhya Gunasekara Hancelland,

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

0139800013; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
132	0139800013-142A	142	0.249	80.32	4.62	15.06	NAD	Chrysotile Trace
	Room 11							
133	0139800013-143A	143				at 40 Me	NAD	NA
	2nd Floor, North Side of I	Boiler #17						
134	0139800013-144A	144		****	a. 40 47	***	Chrysotile 55.	NA
	Room 06							
135	0139800013-145A	145		***	***		Chrysotile 15.	NA
	Coal Bunker, East End							
136	0139800013-146A	146	****		***	M 40 40 40	NAD	NA
	Stairwell to Roof							
137	0139800013-147A	147	0.28	88.72	4.85	6.42	NAD	Chrysotile Trace
	Stairwell To Roof				•			
138	0139800013-148A	148		****	***	***	Chrysotile 45.	NA
	Upper Penthouse, North E	End						
139	0139800013-149A	149		****		***	Chrysotile 65.	NA
	Upper Penthouse, North E	End						

Reviewed by:

PLM analyst: Bryan Manke 500 ; TEM analyst: Sandhya Gunasekara Concentration

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

0139800013; Pittsfield, MA

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Ashestos % by PLM/DS	** Asbestos % by TEM
148	0139800013-156A	156	0.327	72.51	9.53	17.96	NAD	NAD
• ;	2nd Floor, North of Boile	er #17						
149	0139800013-157A	157	, a de de de	****		***	NAD	NA
4	Engine Room							
150	0139800013-157B	157				***	NAD	NA
	Engine Room							
151	0139800013-157C	157			***		NAD	NA
	Engine Room							
152	0139800013-157D	157	****	****	~~*	de de ins	NAD	NA
,	Engine Room							
153	0139800013-157E	157					NAD	NA
	Engine Room				•			
154	0139800013-157F	157	***			***	NAD	NA
	Engine Room							
155	0139800013-157G	157	AL 40 40.	***	****	***	NAD	NA
	Engine Room							

Reviewed by

PLM analyst: Bryan Manke Communication ; TEM analyst: Sandhya Gunasekara Wordow

Qualitative Analysis Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

SciLab Job#: 99088720

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

0139800013; BBL/Bldg. 31

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
25	0139800013-197A	197	****	****		***	NAD	NA
	Basement, Boiler/ Engine	Room in E	Brick Pile					
26	0139800013-198A	198	***	****	a. as #	****	NAD	NA
	Basement, Boiler/ Engine	Room in E	Brick Pile					
27	0139800013-199A	199	***			day yaka dahi Miri	Amosite 25.	NA
	Boiler/ Engine Room in I	Brick Pile			•			
28	0139800013-199B	199	****				NA/PS	NA
	Boiler/ Engine Room in E	Brick Pile						
29	0139800013-199C	199		****	****	do do en 60	NA/PS	NA
	Boiler/ Engine Room in F	3rick Pile						
30	0139800013-200A	200		,		***	Chrysotile 10.	NA
	in Soot Hopper Bldg., Ea	st of Bldg.	31		•			
31	0139800013-201A	201	0.843	9.29	83.01	7.70	Chrysotile Trace	NAD
	Soot Hopper Bldg., East	of Bldg. 31						
32	· 0139800013-202A	202	0.368	60.01	18.73	21.26	NAD	NAD
	Soot Hopper Bldg., East	of Bldg. 31						

Reviewed by:

PLM analyst: Bryat Manke_____; TEM analyst: Sandhya Gunasekara_____

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed:

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; TEM (Semi/Full) by EPA 600/R-93/116; or ELAP 198.1/198.4 for New York samples;

NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <or=1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

SciLab Job#: 99088720

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

0139800013; BBL/Bldg. 31

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	0139800013-203A	203	0.339	62.92	12.27	24.81	NAD	NAD
	Soot Hopper Bldg., East of	Bldg. 31						
34	0139800013-204A	204	***			***	Chrysotile 50.	NA
	Basement, Steam Tunnel 1							
35	0139800013-204B	204			***	44 ab ab ab	N A/PS	NA
	Basement, Steam Tunnel 1							
36	0139800013-204C	204	***	****	4 4 4 4	***	NA/PS	NA
	Basement, Room 30							
37	0139800013-205A	205	***		in the state for	***	NAD	NA
	Steam Tunnel 2, West End	, Under Re	e- Wettable Cloth					
38	0139800013-205B	205			da da ur da	***	NAD	NA
	Steam Tunnel 2, West End	, Under Re	e- Wettable Cloth		•			
39	0139800013-205C	205	***	***		***	NAD	NA
	Steam Tunnel 2, West End	, Under Re	e- Wettable Cloth					
40	0139800013-206A	206	***	***	****	****	NAD	NA
	Engine Room, 2nd Level V	Vest Wall						

Reviewed by:

PLM analyst: Brya Manke_____; TEM analyst: Sandhya Gunasekara_____

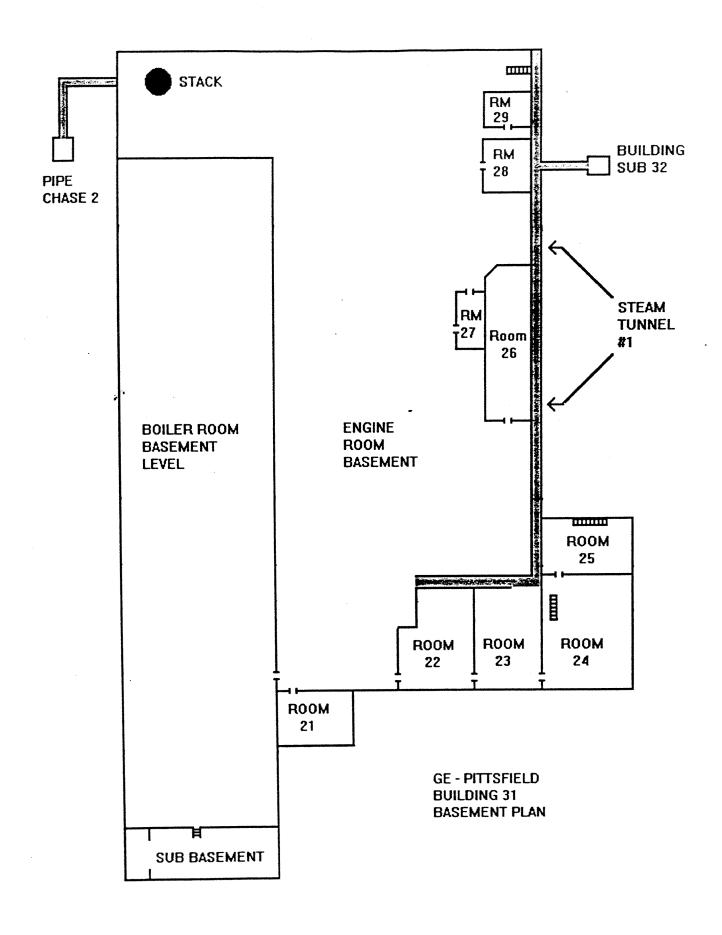
Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;

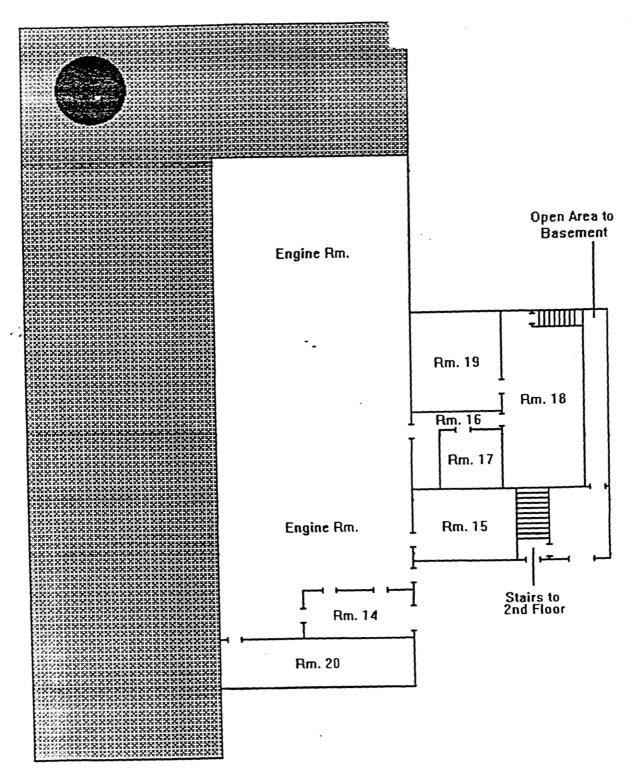
Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; TEM (Semi/Full) by EPA 600/R-93/116; or ELAP 198.1/198.4 for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <or=1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

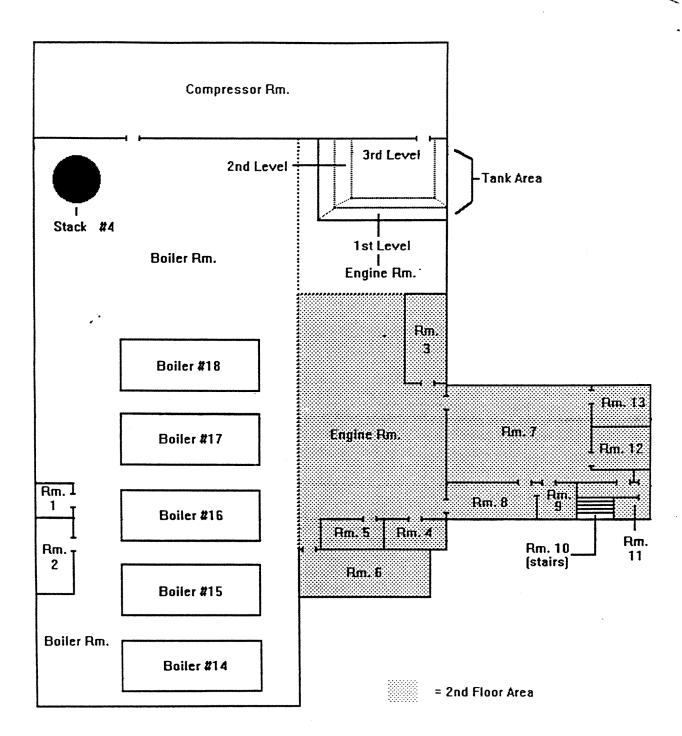
ATTACHMENT F

FLOOR PLANS/DRAWINGS

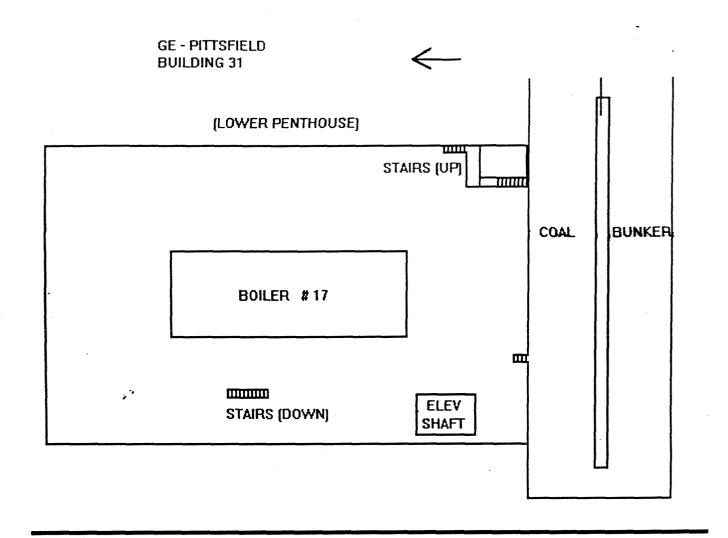


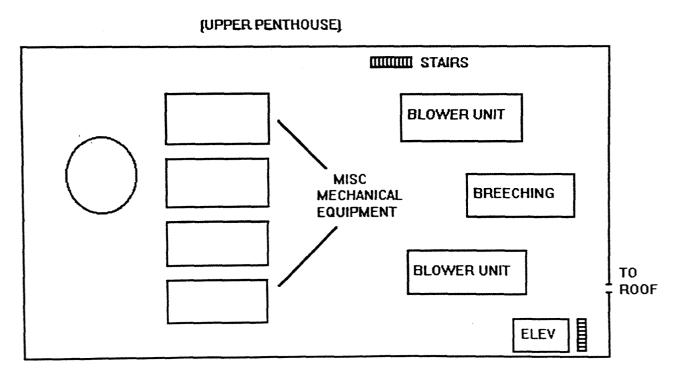


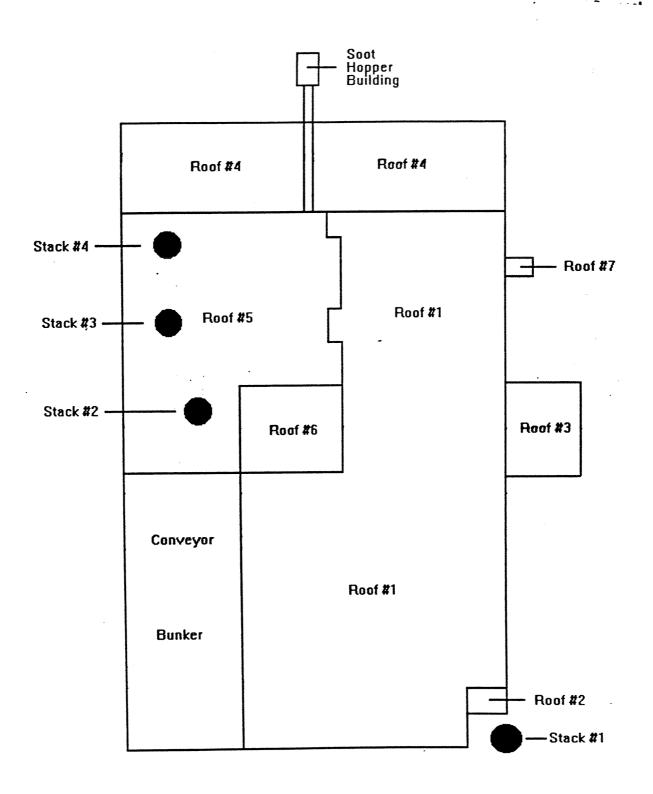
G.E. PITTSFIELD - BUILDING 31 1ST FLOOR ENGINE RM. AREA



G.E. PITTSFIELD - BUILDING 31 MAIN FLOOR







G.E. PITTSFIELD - BUILDING 31 ROOF PLAN



PREPARED FOR:

BLASLAND, BOUCK & LEE, INC. 6723 TOWPATH ROAD BOX 66 SYRACUSE, NEW YORK 13214-0006

ASBESTOS & LEAD INSPECTION REPORT

FOR
BUILDING NO. 31J (PUMP HOUSE)
AT
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

PREPARED BY:

ATC ASSOCIATES INC.
39 SPRUCE STREET
EAST LONGMEADOW, MASSACHUSETTS 01028

December 7, 1999

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1.0 SITE INSPECTION SUMMARY

SITE:

Building No. 31J (Pump House)

General Electric Company Pittsfield, Massachusetts

OWNER:

General Electric Company

100 Woodlawn Avenue

Pittsfield, Massachusetts 01201

CLIENT:

Blasland, Bouck & Lee, Inc.

6723 Towpath Road

Box 66

Syracuse, New York 13214-0006

The enclosed Asbestos and Lead Inspection Report was performed and prepared by ATC Associates, Inc. The survey included a comprehensive inspection of all areas of the building.

The following licensed and accredited inspectors performed the Inspection:

Adam Lesko Asbestos Inspector #AI71130

Steve Dolinski Lead Inspector #I3171

The Inspection Report was reviewed and approved by:

Derrick Wissman Project Manager

2.0. SITE DESCRIPTION

Building No. 31J (Pump House) consists of a one-story brick building which was formerly used to house water and fuel line pumps. The building is currently unoccupied and scheduled for demolition. Interior finishes in the pump house consist of a concrete slab floors and pressboard ceiling tiles.

3.0 ASBESTOS INSPECTION

ATC's Scope of Work included a comprehensive Asbestos Inspection of the building. Outlined below is a description of ATC's testing methodology.

3.1 Asbestos Protocol

ATC performed a comprehensive demolition survey to access all suspect asbestos-containing materials throughout the building. ATC was not responsible for repair of any building components and/or equipment, which became damaged as a result of ATC's inspection. The Asbestos Inspection included a visual assessment of suspect asbestos-containing materials throughout the building and subsequent bulk sampling and analysis was performed.

3.2 Sampling Methodology

PEPA and OSHA define ACBM as any material which contains greater than 1 percent asbestos. The ACBM inspection and bulk sampling was performed in accordance with the methods outlined in the U.S. EPA guidance document titled, *Guidance for Controlling Asbestos-Containing Materials in Buildings* (Document No. 560/5-85/024). In addition, bulk sampling of asbestos was performed in accordance with 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA) requirements for number of samples and types of ACBM to be sampled. According to these requirements, materials are classified as either surfacing (e.g., ceiling plaster, wall plaster, spray-applied fireproofing), thermal system insulation (e.g., pipe insulation, pipe fitting insulation, boiler insulation), or miscellaneous materials (e.g., floor tile, ceiling tile, wallboard). The number of samples collected from each material varies based on the classification of the material and increases as the potential for a non-uniform mixture of asbestos in the material increases.

3.3 Sample Collection

Samples collected for asbestos analysis were obtained by qualified and certified (Certified Massachusetts Inspector) personnel utilizing proper safety measures such as wetting the material prior to sampling, cleaning up the area by wet wiping any resulting residual debris, and wearing proper personal protective equipment, as needed. In order to be certain of sampling the entire thickness of a material, coring tools and knives were utilized to penetrate all layers of a material. All collected samples were then placed in appropriately labeled airtight containers for shipment to the laboratory for analysis.

3.4 Sample Analysis (PLM)

All bulk samples were analyzed for asbestos content using Polarized Light Microscopy (PLM) with Dispersion Staining (EPA Method 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Building Materials). To qualify as asbestos-containing, the material must be determined to contain greater than one percent (>1%) asbestos from a homogeneous material area set of samples.

Consequently, according to the EPA/AHERA criteria, all bulk samples from a homogeneous area must be found to contain *less than or equal to one percent* (<1%) asbestos in order to be classified as non-asbestos-containing.

3.5 Sample Analysis (TEM)

In addition, floor tile and other non-friable organically bound (NOB) materials which initially tested negative by PLM analysis were reanalyzed by Transmission Electron Microscopy (TEM). All TEM analysis was performed utilizing ELAP-198.4 TEM Method for Identifying and Quantifying Asbestos in NOB Bulk Samples.

4.0 LEAD PAINT INSPECTION

ATC performed a comprehensive lead inspection of painted, stained or varnished components located throughout the building. Outlined below is a description of ATC's testing methodology.

4.1 Testing Protocol

All testing was performed utilizing a portable X-Ray Fluorescent (XRF) Analyzer. In addition, paint chip samples were collected from select material substrates to confirm lead content if use of the XRF was not feasible or if results were inconclusive. For the purpose of reporting, the building was divided into "testing combinations". Testing combinations are defined as types of painted building components which appear uniform in paint color and architectural feature.

4.2 XRF Analysis

A Radiation Monitoring Device LP1, serial number 1092 was used for all on-site XRF testing. The instrument was operated in the "Quick-Mode" which adjusts the length of each reading based upon the substrate, until there is a 95% confidence level is achieved. All personnel who operated the portable XRF analyzer were trained by the manufacturer in safety measures and testing protocols. In accordance with the Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62 Regulations, any result of lead greater than 0.0 constitutes the material to be considered lead-containing and subject to the regulations.

4.3 Paint Chip Sample Analysis

Inconclusive XRF readings or areas where XRF analysis was not feasible required paint chip samples to be collected and analyzed by Atomic Absorption Spectrophotometry (AAS). In accordance with the Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62 Regulations, any result of lead greater than 0.0 constitutes the material to be considered lead-containing and subject to the regulations.

5.0 FINDINGS

Asbestos and lead-containing materials were detected in several material applications at the site. Refer to the following Attachments for a summary of each materials tested, location, and analysis result:

Asbestos-Containing Materials: Refer to Attachment A

Non-Asbestos Materials: Refer to Attachment B

Lead Testing Results: Refer to Attachment C

6.0 CONCLUSIONS

The majority of the asbestos and lead materials were found to be in fair/poor condition and are located throughout the building. As previously stated in this report, the building is scheduled for demolition which will require the following response actions be implemented as part of the demolition project:

- A. In accordance with Massachusetts Department of Environmental Protection (DEP) and EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) Regulations, all materials found to be asbestos-containing in the building will be required to be abated prior to renovation/demolition activities. In addition, all asbestos abatement work shall be performed by a Massachusetts licensed Asbestos Abatement Contractor in accordance with local, state and federal regulations.
- B. All demolition work which disturbs lead-containing materials will be subject to OSHA 29 CFR 1926.62 "Lead in Construction Regulations". Under OSHA, the employer is responsible for protection of their employees when performing renovation and/or demolition work which disturbs lead materials. Compliance shall include written programs, medical monitoring, exposure assessment testing and engineering controls.

ATTACHMENT A

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

ATTACHMENT A

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

Location	<u>Material</u>	Quantity	Comments
Roof	Flashing	150 square feet	
Exterior	White Window Glaze	6 Each	
Room 1	Transite Pipe	1 linear foot	In Northeast Corner of Room

Note: Transite piping may be present underground on the exterior of the pump house

ATTACHMENT B

SUMMARY OF NON-ASBESTOS MATERIALS

ATTACHMENT B

SUMMARY OF NON-ASBESTOS MATERIALS

Location	<u>Material</u>	<u>Comments</u>
Exterior	White Door Caulk	
Exterior	White Window Caulk	
Exterior	Black Felt Paper Pipe Insulation	
Exterior	Brick Mortar	\$
Room 1	Grey/Black Gasket	
Room 1	Pressboard	Ceiling
Room 1 & Room 2	Industrial Coat	
Roof	Roofing Material	:
Roof	Roofing Felt	

ATTACHMENT C

SUMMARY OF LEAD-CONTAINING MATERIALS

Sample	Room	Testing Combination	XRF Result	Condition	Notes
No.				Fair	
1	Room I	Gray Wood Door	0.0	Fair Fair	
2	Room 1	Gray Wood Door Frame	0.0		
$\frac{1}{3}$	Room I	Off - White Wood Shelf	0.1	Poor	
4	Room I	Off - White Wood Shelf Supports	0.2	Poor	
5	Room I	Off - White Brick Wall	-0.2	Poor	
6	Room I	Off – White Metal Conduit	0.1	Poor	
7	Room I	Off – White Cement Foundation	0.5	Poor	
8	Room 1	Off - White Wood Window	0.2	Poor	
9	Room 1	Green Metal Pump	0.1	Fair	
10	Room 1	Black Metal Valve	0.0	Fair	
11	Room 1	Gray Metal Pipe	0.3	Poor	
12	Room I	Gray Metal Electric Box	0.0	Fair	
13	Room 1	Gray Brick Wall	0.0	Poor	
14	Room 1	Gray Wood Window	0.1	Poor	
15	Room 1	Off - White Cement Floor	0.0	Poor	
16	Room I	Gray Metal Valve	0.0	Poor	
$\frac{10}{17}$	Room I	Off - White Metal Electric Box	0.0	Good	
18	Room I	Black Cement Foundation	0.4	Poor	
19	Room I	Gray Metal Pump	0.5	Good	
20	Room I	Off - White Wood Upper Trim	0.1	Fair	
21	Room 1	Gray Metal Ceiling Hatch	1.3	Fair	
22	Room 2	Off – White Metal Conduit	0.1	Poor	
23	Room 2	Off – White Metal Pipe	0.1	Poor	
24	Room 2	Off - White Brick Wall	0.2	Poor	
25	Room 2	Off – White Cement Foundation	0.5	Poor	
26	Room 2	Black Cement Foundation	0.5	Poor	
27	Room 2	Off - White Wood Window	0.7	Poor	
28	Room 2	Gray Metal Pipe	0.0	Poor	
29	Room 2	Black Metal Valve	0.1	Fair	
30	Room 2	Gray Cement Ceiling	0.0	Poor	
31	Room 2	Gray Metal Column	0.0	Poor	

ATTACHMENT C LBP INSPECTION/INVENTORY FIELD FORM BUILDING 31 - J

Sample	Room	Testing Combination	XRF Result	Condition	Notes
No.					
32	Room 2	White Metal Support	0.0	Poor	
33	Room 2	Gray Wood Door	0.2	Poor	
34	Room 2	Off – White Metal Electric Box	0.0	Fair	
35	Exterior	Gray Wood Door	0.0	Poor	
36	Exterior	Gray Wood Door Casing	1.8	Poor	
37	Exterior	Black Wood Soffit	0.2	Poor	
38	Exterior	Gray Wood Window	3.1	Poor	
39	Exterior	Tan Metal Lintel	5.1	Poor	
40	Exterior	Off – White Metal Conduit	2.3	Poor	
41	Exterior	Off – White Metal Electric Box	0.1	Poor	

ATTACHMENT D

LABORATORY REPORTS/CHAIN-OF-CUSTODY (PLM ASBESTOS)



117 EAST 30TH STREET NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-9392

A CERTIFIED MINORITY BUSINESS ENTERPRISE

PLM Bulk Asbestos Report

ATC Associates

Attn: Derrick Wissman

39 Spruce Street

East Longmeadow, MA 01028

Date Received

2/23/99

SciLab Job No. 99026850

Date Examined

2/23/99

P.O. # S-65

Page 1 of 8

RE: 01879.00003; BBM/General Electric

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

TF0217-01A

99026850-01

N/A

110217-017

Location: Transite Board/ Tank #3

Description: Grey, Homogeneous, Transite Board

Asbestos Types: Chrysotile 17. %

Other Material: Cellulose 15. %, Non-fibrous 68. %

TF0217-01B

99026850-02

NA/PS

1

1

Location: Transite Board/ Tank #1

Description: Transite Board

Asbestos Types: Other Material:

TF0217-02A

99026850-03

Yes

14 %

2

Location: Black Gaskets/ Tank #2

Description: Black, Homogeneous, Black Gasket

Asbestos Types: Chrysotile 14. % Other Material: Non-fibrous 86. %

TF0217-02B

99026850-04

NA/PS

2

Location: Black Gaskets/ Tank #3

Description: Black Gasket

Asbestos Types:
Other Material:

TF0217-03A

99026850-05

No

NAD

3

Location: Concrete Foundation/ Tank #2

Description: Grey, Homogeneous, Concrete Foundation

Asbestos Types:



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Page 2 of 8

RE: 01879.00003; BBM/General Electric

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

TF0217-03B

99026850-06

No

NAD

3

Location: Concrete Foundation/ Tank #1

Description: Grey, Homogeneous, Concrete Foundation

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-04A

99026850-07

Yes

11%

4

Location: Black Sealant/ Tank #3

Description: Black, Homogeneous, Black Sealant

Asbestos Types: Chrysotile 11. % Other Material: Non-fibrous 89. %

TF0217-04B

99026850-08

NA/PS

4

Location: Black Sealant/ Tank #2

Description: Black Sealant

Asbestos Types: Other Material:

TF0217-05A

99026850-09

No

NAD

5

5

Location: Foam Block/ Tank #2

Description: Black, Homogeneous, Foam Block

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-05B

99026850-10

No

NAD

110217-031

Location: Foam Block/ Tank #3

Description: Black, Homogeneous, Foam Block

Asbestos Types:



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P.O. # S-65

Page 3 of 8

RE: 01879.00003; BBM/General Electric

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

TF0217-07A

99026850-11

No

NAD

7

Location: Green Paint/ 10-C Oil Tank

Description: Green, Heterogeneous, Green Paint

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-07B

99026850-12

No

NAD

7

Location: Green Paint/ 10-C Oil Tank

Description: Green, Homogeneous, Green Paint

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-07C

99026850-13

No

NAD

7

Location: Green Paint/ 10-C Oil Tank

Description: Green, Homogeneous, Green Paint

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-07D

99026850-14

No

NAD

7

Location: Green Paint/ Day Tank

Description: Green, Homogeneous, Green Paint

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-07E

99026850-15

No

NAD

7

Location: Green Paint/ Day Tank

Description: Green, Homogeneous, Green Paint

Asbestos Types:



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2/23/99

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RE: 01879.00003; BBM/General Electric

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

TF0217-08A

99026850-16

Yes

27 %

R

Location: Black Felt Cloth/ Tank Farm

Description: Black, Homogeneous, Black Felt Cloth

Asbestos Types: Chrysotile 27. %

Other Material: Fibrous glass 20. %, Non-fibrous 53. %

TF0217-08B

99026850-17

NA/PS

8

Location: Black Felt Cloth/ Tank Farm

Description: Black Felt Cloth

Asbestos Types: Other Material:

TF0217-09A

99026850-18

Yes

19 %

9

Location: Black Felt Debris/ Tank Farm

· Description: Black, Homogeneous, Black Felt Debris

Asbestos Types: Chrysotile 19. % Other Material: Non-fibrous 81. %

TF0217-09B

99026850-19

NA/PS

9

Location: Black Felt Debris/ Tank Farm

Description: Black Felt Debris

Asbestos Types: Other Material:

TF0217-10A

99026850-20

No

NAD

10

Location: Grey Blocks/ Tank Farm

Description: Black, Homogeneous, Grey Blocks

Asbestos Types:

Other Material: Cellulose 2. %, Non-fibrous 98. %



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P.O. # S-65

Page 5 of 8

RE: 01879.00003; BBM/General Electric

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

TF0217-10B

99026850-21

No

NAD

10

Location: Grey Blocks/ Tank Farm

Description: Black, Homogeneous, Grey Blocks

Asbestos Types:

Other Material: Cellulose 2. %, Non-fibrous 98. %

TF0217-11A

99026850-22

No

NAD

11

Location: Black And Grey Felt Paper Pipe Insulation Wrap/ Day Tank

Description: Black, Homogeneous, Felt Paper Pipe Insul Wrap

Asbestos Types:

Other Material: Cellulose 15. %, Non-fibrous 85. %

TF0217-11B

99026850-23

No

NAD

11

Location: Black And Grey Felt Paper Pipe Insulation Wrap/ Day Tank

Description: Black, Homogeneous, Felt Paper Pipe Insul Wrap

Asbestos Types:

Other Material: Cellulose 15. %, Non-fibrous 85. %

TF0217-11C

99026850-24

No

NAD

11

Location: Black And Grey Felt Paper Pipe Insulation Wrap/ Day Tank

Description: Black, Homogeneous, Felt Paper Pipe Insul Wrap

Asbestos Types:

Other Material: Cellulose 15. %, Non-fibrous 85. %

TF0217-12A

99026850-25

No

NAD

12

Location: Red Gaskets/ Day Tank

Description: Red, Homogeneous, Red Gaskets

Asbestos Types:



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Date Examined

2/23/99

P.O. # S-65

Page 6 of 8

RE: 01879.00003; BBM/General Electric

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

TF0217-12B

99026850-26

No

NAD

12

Location: Red Gaskets/ Day Tank

Description: Red, Homogeneous, Red Gaskets

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-13A

99026850-27

No

NAD

13

Location: White Window Glaze/ Pump House (31J)

Description: Grey, Homogeneous, White Window Glaze

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-13B

99026850-28

No

NAD

13

Location: White Window Glaze/ Pump House (31J)

Description: Grey, Homogeneous, White Window Glaze

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-14A

99026850-29

No

NAD

14

Location: White Door Caulk/ Pump House (31J)

Description: Grey, Homogeneous, White Door Caulk

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-14B

99026850-30

No

NAD

14

Location: White Door Caulk/ Pump House (31J)

Description: Grey, Homogeneous, White Door Caulk

Asbestos Types:

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PLM Bulk Asbestos Report

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SciLab Job No. 99026850

Date Examined

2/23/99

P.O. # S-65

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RE: 01879.00003: BBM/General Electric

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

TF0217-15A

99026850-31

No

NAD

15

Location: White Window Caulk/ PumpHouse (31J)

Description: Grey, Homogeneous, White Window Caulk

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-15B

99026850-32

No

NAD

15

Location: White Window Caulk/ PumpHouse (31J)

Description: Grey, Homogeneous, White Window Caulk

Asbestos Types:

Other Material: Non-fibrous 100. %

TF0217-16A

99026850-33

Yes

14 %

16

Location: Black Roof Sealant/ Pump House (31J)

Description: Black, Homogeneous, Black Roof Sealant

Asbestos Types: Chrysotile 14. %

Other Material: Cellulose 15. %, Fibrous glass 5. %, Non-fibrous 66. %

TF0217-16B

99026850-34

NA/PS

16

Location: Black Roof Sealant/ Pump House (31J)

Description: Black Roof Sealant

Asbestos Types: Other Material:

TF0217-17A

99026850-35

No

NAD

17

Location: Black Felt Paper Pipe Insulation Wrap/ Pump House (31J)

Description: Black, Homogeneous, Felt Paper Pipe Insul Wrap

Asbestos Types:

Other Material: Cellulose 15. %, Non-fibrous 85. %



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PLM Bulk Asbestos Report

ATC Associates Attn: Derrick Wissman

39 Spruce Street

East Longmeadow, MA 01028

Date Received

2/23/99

SciLab Job No. 99026850

Date Examined

2/23/99

P.O. # S-65

Page 8 of 8

RE: 01879.00003; BBM/General Electric

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

TF0217-17B

99026850-36

No

NAD

.17

Location: Black Felt Paper Pipe Insulation Wrap/ Pump House (31J)

Description: Black, Homogeneous, Felt Paper Pipe Insul Wrap

Asbestos Types:

Other Material: Cellulose 15. %, Non-fibrous 85. %

TF0217-17C

99026850-37

No

NAD

17

Location: Black Felt Paper Pipe Insulation Wrap/ Pump House (31J)

Description: Black, Homogeneous, Felt Paper Pipe Insul Wrap

Asbestos Types:

Other Material: Cellulose 15. %, Non-fibrous 85. %

Reporting Notes:

Analyzed by: Paul Mucha/V.
*NAD/NSD = no asbestos detected; NA = not analyzed; NAPS = not analyzed positive stop; Bulk Asbestos Analysis per
40 CFR 763, Subpart F, Appendix A and ELAP Analysis Protocols 198.1/198.4 for NY samples; Note: PLM is not
consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM
is currently the only method that can be used to determine if this material can be considered or treated as
non-asbestos-containing in NY State (see also EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National
Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except
in full with the approval of the laboratory. This report relates ONLY to the items tested. ELAP #11480, Vt. Cert.
#AL016055
Reviewed By:

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HYGEIA PROSCIENCE BULK ASBESTOS CHAIN OF CUSTODY 800 Wast Cummings Park, Suite 1900 Wobum, MA 01801 Phone (617; 933-5074 Fax (617) 938-1487 Pleaso Circle Dosired Turn Around Time Some Day 24 Hour 3-4 Days Standard 5-7 Days Contrents/Special Instructions: Analyzed By: Date: Date: Date: Date: Date: Normation General Client Information Client/Project Reson General Client Information Address: Sampled By/Date: Address: Phone #: 403 Acceptant Results to: Depart Location: Phone #: 403 Acceptant Results to: Depart Location: Phone #: 403 Acceptant Results to: Depart Location: Supplemental #: Project Manager: Depart Reson	MAR-89-
Wobum, MA 01801 Phone (617; 933-5074 Fax (617) 938-1487 Phone (617; 933-5074 Fax (617) 938-1487 Please Circle Desired Turn Around Time Sampled By/Date: ADAM LEGY OF Regults to: Deptic Location: TANK FARM Project Location: TANK FARM Supplemental #: Supplemental #: Project Manager: Deptic Location Fax #: 413-535-8000000000000000000000000000000000	≥\ 1999
Same Day 24 Hour 48 Four Project Location: Phone #: 413-525-832-11-12-12-12-12-12-12-12-12-12-12-12-12	18:28 (A)28
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SCILAB BOSTON, INC.

8 SCHOOL STREET WEYMOUTH, MA 02189

TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow Date Received

12/03/99

SciLab Job No. 399121768

Attn: Sandy Fabian

Date Examined

12/03/99

P.O. # Blasland, Bouck and

39 Spruce Street

Page 1 of 3

1st Floor

RE: Blasland, Bouck and Lee: GE Pittsfield

East Longmeadow, MA 01028

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

315120199-01A

399121768-01

No

NAD

01

Location: Bldg. 31J - Exterior

Description: Grey, Homogeneous, Cementitious, Brick Mortar

Asbestos Types:

Other Material: Non-fibrous 100. %

315120199-01B

399121768-02

No

NAD

01

Location: Bldg. 311 - Exterior

Description: Grey, Homogeneous, Cementitious, Brick Mortar

Asbestos Types:

Other Material: Non-fibrous 100. %

315120199-02A

399121768-03

No

NAD

02

Location: Bldg 31J - Room 1

Description: Grey/Black, Heterogeneous, Gasket

Asbestos Types:

Other Material: Cellulose 25. %, Non-fibrous 75. %

315120199-03A

399121768-04

No

NAD

03

Location: Bldg. 31J - Room 1 South

Description: Grey, Homogeneous, Pressboard

Asbestos Types:

Other Material: Non-fibrous 100, %

315120199-03B

399121768-05

No

NAD

03

Location: Bldg. 31J - Room 1 North

Description: Grey, Homogeneous, Pressboard

Asbestos Types:

Other Material: Non-fibrous 100. %



SCILAB BOSTON, INC.

8 SCHOOL STREET WEYMOUTH, MA 02189

TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow Date Received

12/03/99

SciLab Job No. 399121768

Attn: Sandy Fabian

Date Examined

12/03/99

P.O. # Blasland, Bouck and

39 Spruce Street

Page 2 of 3

1st Floor

RE: Blasland, Bouck and Lee; GE Pittsfield

East Longmeadow, MA 01028

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

315120199-04A

399121768-06

No

NAD

04

Location: Bldg. 31J - Room 1 East

Description: Grey, Heterogeneous, Industrial Coat

Asbestos Types:

Other Material: Cellulose 15. %, Non-fibrous 85. %

315120199-04B

399121768-07

No

NAD

04

Location: Bldg. 311 - Room 2 West

Description: Grey, Heterogeneous, Industrial Coat

Asbestos Types:

Other Material: Non-fibrous 100. %

315120199-04C

399121768-08

No

NAD

04

Location: Bldg. 31J - Room 2 East

Description: Grey, Heterogeneous, Industrial Coat

Asbestos Types:

Other Material: Non-fibrous 100. %

315120199-05A

399121768-09

Yes

20 %

05

Location: Bldg. 31J - Room 1

Description: Grey, Heterogeneous, Transite Pipe

Asbestos Types: Chrysotile 20. % Other Material: Non-fibrous 80. %

315120199-06A

399121768-10

No

NAD

06

Location: Bldg. 31J - Roof

Description: Black, Heterogeneous, Roofing Material

Asbestos Types:

Other Material: Synthetic fibers 10. %, Non-fibrous 90. %



SCILAB BOSTON, INC.

8 SCHOOL STREET WEYMOUTH, MA 02189 TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

12/03/99

SciLab Job No. 399121768

Attn: Sandy Fabian

Date Examined

12/03/99

P.O. # Blasland, Bouck and

39 Spruce Street

Date Examined

Page 3 of 3

1st Floor

RE: Blasland, Bouck and Lee; GE Pittsfield

East Longmeadow, MA 01028

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

315120199-06B

399121768-11

No

NAD

0б

Location: Bldg. 31J - Roof

Description: Black, Heterogeneous, Roofing Material

Asbestos Types:

Other Material: Synthetic fibers 10. %, Non-fibrous 90. %

315120199-07A

399121768-12

No

NAD

07

Location: Bldg. 31J - Roof

Description: Black, Heterogeneous, Roofing Felt

Asbestos Types:

Other Material: Cellulose 65. %, Non-fibrous 35. %

315120199-07B

399121768-13

No

NAD

07

Location: Bldg. 31J - Roof

Description: Black, Heterogeneous, Roofing Felt

Asbestos Types:

Other Material: Cellulose 65. %, Non-fibrous 35. %

K	lep	or	un	g	N	0	tes	
---	-----	----	----	---	---	---	-----	--

tested.

Reviewed by:_

Analyzed by: Bryan Manke

*NADINGO = no aspectos detected: NA = not analyzed. Butk Aspestos Analysis per 40 CFR 103, 3 upparer; Appearant A and
ELAP Analysis Protocols 198.1/198.4 for New York samples: Note: PLM is not consistently reliable in detecting asbestos in
floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to
determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for
floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that
this report must not be reproduced except in full with the approval of the laboratory. This report relates ONLY to the items

·

399121760 SCILA Date/Time: 12/1/99 Date/fime: 12.3.99 Received by: 12 Livan 9:30 Date/Time:___ 8 SCHOOL STREET Received by:___ Date/Time:___ Relinquished by:___ WEYMOUTH, MA 02189 Date/Time:____ Received by:_ Project Name: BLASLAND, BOUCK AND LEE (781) 337-9334 FAX (781) 337-7642 Date: 12/199 Apam LEKO TBB Project Number: Sampled by: Project Manager: DERRICK WISSMAN Project Address: GE PITSELELD PLM Analysis Type: Results to: SANDY FABIAN Positive Stop: 2445 **Emergency Pager:** Turnaround: Additional Fax Numbers: Special Instructions or Comments: AUNIVEE TO 1ST POSITIVE Fax Copy by: Homogenous Sample Description Aren Location 01 BRICK MORTAR Field ID BLDG. 317 - EXTERIOR 01 Lab ID 02 315120199-01A GRAKET BLOG. 315-Room 315120199-018 PRESPOARD MAGS BARB BUDGO 315-ROOM SONT 315120199-021 BLOG. 315 - ROOM 1 NORTH 04 315120199-034 NOSTRALCOR BLOG. 317 - ROOM (FAST 315120199 -03B BLDG. 315-Room ZUBI 315120199-04A BLD6.315- Rowma EAST TRANSITE PIPE 315120199-048 315120199-04 Bullo 315 - Room 311/20199-85P 06 ROOFILG MATERIAL 06 Manage 5-ROOF BLOG. 31 315120197-06A KOOFILG FELT 315120199-06B 31512015A-67A 315120199-078

ATTACHMENT E

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM ASBESTOS)

SciLab Job#:

99-02-6850

Client Name:

ATC Associates

Table I Summary of Bulk Asbestos Analysis Results

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Ashestos % by PLM/DS	** Asbestos % by TEM
01	TF0217-01A	1		e de la compansa de l		on Annual and	Chrysotile 17.	Na
	Transite Board/ Tank #3							
02	TF0217-01B	1		*********	Minimum III	Mingraph and Mingr	NA/PS	NA
	Transite Board/ Tank #1							
03	TF0217-02A	2	****	grafiques.	- Mining-commit	****	Chrysotile 14.	NA
	Black Gaskets/ Tank #2							
04	TF0217-02B	2	*****		No constraint	R ₁ g y and	NA/PS	NA
	Black Gaskets/ Tank #3							
05	TF0217-03A	3	-	****		****	NAD	NA
	Concrete Foundation/ Tan	k #2						
06	TF0217-03B	3			***************************************	No. allery trade	NAD	NA
	Concrete Foundation/ Tan	k #1						
07	TF0217-04A	4	*******			es stront de	Chrysotile 11.	NA
	Black Sealant/ Tank #3							
08	TF0217-04B	4		*****	Name of the Control o	No. ris. spinish	NA/PS	NA
	Black Sealant/ Tank #2							

Reviewed by:	
PLM analyst: Paul Mucha/V; TEM analyst: Lance Tuckruskye	
Quantification should be considered qualitative only (positive or negative) for beginning sample weights of less than 0.1 grams. NAD = no asbestos detected; NA = not analyzed; NVA =	no
visible asbestos, Trace = <1%; NAPS = not analyzed positive stop, Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; - TEM by Chatfield and ELAP Analysis Protocol	
PLM-198.1/TEM-198.4 for New York samples (ELAP#: 11480); Note: TEM resolves all asbestos fibers whereas PLM typically will not resolve fibers <-0.2 microns in diameter.	
to the second of the second	
Reviewed By: A J	

SciLab Job#: 99-02-6850
Client Name: ATC Associates

Table I Summary of Bulk Asbestos Analysis Results

SciLab Sample #	Client Sample# Location	HG Arca	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Ashestos % by PLM/DS	** Asbestos % by TEM
09	TF0217-05A	5				com Mary	NAD	NA
•	Foam Block/ Tank #2							
10	TF0217-05B	5	*****	and the special section of the secti	*****	Aprile 1774	NAD	NA
	Foam Block/ Tank #3							
11	TF0217-07A	7	******	Specify part and	and the same same same same same same same sam	qualit diffide	NAD	NA
	Green Paint/ 10-C Oil Tank						•	
12	TF0217-07B	7		***		#####	NAD	NA
	Green Paint/ 10-C Oil Tank							
13	TF0217-07C	7	*******	en spelante		Age madely suff	NAD	NA
	Green Paint/ 10-C Oil Tank	;						
14	TF0217-07D	7	-	Philipping	Smithspeak	00-00 fee 40	NAD	NA
	Green Paint/ Day Tank							
15	TF0217-07E	7	- Security (Inc.)	****	distributed	de diverse	NAD	NA
	Green Paint/ Day Tank							
16	TF0217-08A	8	***************************************	Paymanisments	MA MANAGEMENT	No. of Concession of Concessio	Chrysotile 27.	N.A
	Black Felt Cloth/ Tank Fari	m						

Reviewed by:		, ·
PLM analyst: Paul Mucha/V.	; TEM analyst: Lance Tuckruskye	
Quantification should be considered qualitative only (positive	or negative) for beginning sample weights of less	ss than 0.1 grams. NAD = no asbestos detected; $NA = not$ analyzed; $NVA = no$
visible asbestos, Trace = <1%, NAPS = not analyzed positive	e stop, Bulk Asbestos Analysis - PLM per 40 CF	FR 763, Subpt F, Appd A; - TEM by Chatfield and ELAP Analysis Protocol
		hereas PLM typically will not resolve fibers <~0.2 microns in diameter.
φ		
Reviewed By:	Manager 1997 Comment	

SciLab Job#:

99-02-6850

Client Name:

ATC Associates

Table I Summary of Bulk Asbestos Analysis Results

SciLab Sample	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	TF0217-08B	8					NA/PS	N.A
	Black Felt Cloth/ Tank	Farm						
18	TF0217-09A	9		****	-	****	Chrysotile 19.	N.A
	Black Felt Debris/ Tank	k Farm		. •				
19	TF0217-09B	9		W-appendi	es antiques à		NA/PS	NA
	Black Felt Debris/ Tank	k Farm						
20	TF0217-10A	10					NAD	NA
	Grey Blocks/ Tank Fari	m						
21	TF0217-10B	10			****	** ex 20 %	NAD	N:N
	Grey Blocks/ Tank Fare	m						
22	TF0217-11A	11					NAD	N.A
	Black And Grey Felt Pa	aper Pipe Insu	ılation Wrap/	Day Tank				•
23	TF0217-11B	11	-		Non-painter High	No of Print	NAD	N.A
	Black And Grey Felt Pa	aper Pipe Inst	lation Wrap/	Day Tank				••
. 24	TF0217-11C	11			*****	****	NAD	NA
	Black And Grey Felt Pa	nper Pipe Insu	ilation Wrap/	Day Tank				

Reviewed by:
PLM analyst: Paul Mucha/V
Quantification should be considered qualitative only (positive or negative) for beginning sample weights of less than 0.1 grams. NAD = no asbestos detected; NA = not analyzed; NVA = no
visible asbestos, Trace = <1%; NAPS = not analyzed positive stop; Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; - TEM by Chatfield and ELAP Analysis Protocol
PLM-198.1/TEM-198.4 for New York samples (ELAP#: 11480); Note: TEM resolves all asbestos fibers whereas PLM typically will not resolve fibers <~0.2 microns in diameter.
Reviewed By: 25

SciLab Job#: 99-02-6850 Client Name: ATC Associates

Table I Summary of Bulk Asbestos Analysis Results

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Ashestos % by PLM/DS	** Ashestos % by TEM
25	TF0217-12A	12	0.338	31.95	14.50	53.55	NAD	N.AD
23	Red Gaskets/ Day Tank							* 6
26	TF0217-12B	12	****	****	No. com state Mile	gg lan driff	NAD	N.A
20	Red Gaskets/ Day Tank							
27	TF0217-13A	13	Alexand Product	-	-	and the state of t	NAD	NA
	White Window Glaze/ Pur	mp House	(311)					
28	TF0217-13B	13	0.149	5.37	87.25	5.88	NAD	Chrysotile 1.5
	White Window Glaze/ Pur	mp House	(31J)					Anthophyllite Trace
29	TF0217-14A	14	0.337	35.01	44.51	20.47	NAD	NAD
	White Door Caulk/ Pump	House (3)	lJ)					
30	TF0217-14B	14		Section 400	and the second s	warene	NAD	N.A
	White Door Caulk/ Pump	House (3)	IJ)					
31	TF0217-15A	15	****	****		60 40 Thuas	NAD	NA
	White Window Caulk/ Pu	mpHouse	(31J)					
32	TF0217-15B	15	0.094	47.87	30.85	21.28	NAD	NAD
	White Window Caulk/ Pu	mpHouse	(31J)					

Reviewed by:	
PLM analyst: Paul Mucha/V	
Quantification should be considered qualitative only (positive or negative) for beginning sample weights of less than 0.1 grams. NAD = no asbestos detected; NA = no	ot analyzed, NVA = no
visible asbestos, Trace = <1%; NAPS = not analyzed positive stop; Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; - TEM by Chatfield and ELAP /	enalysis Protocol
PLM-198.1/TEM-198.4 for New York samples (ELAP#: 11480); Note: TEM resolves all asbestos fibers whereas PLM typically will not resolve fibers <~0.2 microns	m diameter.
Reviewed By:	δ_{A}

SciLab Job#:

99-02-6850

Client Name:

ATC Associates

Table I Summary of Bulk Asbestos Analysis Results

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Ashestos % by PLM/DS	** Asbestos % by TEM
33	TF0217-16A	16		ghing, speller	W ingsphold	Section of	Chrysotile 14.	N.A
	Black Roof Scalant/ P	ump House (3	1J)					
34	TF0217-16B	16		program	****	age of the coll	NA/PS	NA
	Black Roof Scalant/ P	ump House (3	1J)					
35	TF0217-17A	17	Market .	- A-1-1-1-1-1	*****	Committee of the Commit	NAD	NA
	Black Felt Paper Pipe	Insulation Wr	ap/ Pump Ho	use (31J)				
36	TF0217-17B	17	-		·	approxima.	NAD	NA
	Black Felt Paper Pipe	Insulation Wr	ap/ Pum <mark>p H</mark> o	usc (31J)				
37	TF0217-17C	17	****		**************************************	quesnorque	NAD	NA
	Black Felt Paper Pipe	Insulation Wr	ap/ Pump Ho	use (31J)				

Reviewed by
PLM analyst: Paul Mucha/V
Quantification should be considered qualitative only (positive or negative) for beginning sample weights of less than 0.1 grams. NAD = no asbestos detected; NA = not analyzed; NVA = no
visible asbestos; Trace = <1%; NAPS = not analyzed positive stop; Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; - TEM by Chatfield and ELAP Analysis Protocol
PLM-198.1/TEM-198.4 for New York samples (ELAP#: 11480); Note: TEM resolves all asbestos fibers whereas PLM typically will not resolve fibers <-0.2 microns in diameter.
Reviewed By: 25

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SCILAB BOSTO

SciLab Job#: 399121768

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

Blasland, Bouck and Lee; GE Pittsfield

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
10	315120199-01A	01					NAD	NA
	Bldg. 311 - Exterior							
02	315120199-01B	10				****	NAD	NA
	Bldg. 31J - Exterior							
03	315120199-02A	02					NAD	NΛ
	Bldg. 31J - Room 1							
04	315120199-03A	03	****	-		Selected for	NAD	NA
	Bldg. 31J - Room 1 South							
05	315120199-03B	03	-	and not	and the state of	Modernicale	NAD	NA
	Bldg. 31J - Room 1 North							
06	315120199-04A	04		-	dystro chtuch	quarticentia.	NAD	NA
	Bldg. 311 - Room 1 East							****
07	315120199-04B	04	0.022	34.68	42.34	22.97	NAD	NAD
•	Bldg. 31J - Room 2 West							•••
08	315120199-04C	04	****	-	-	a m and	NAD	NA
	Bidg. 31J - Room 2 East							

Reviewed by.		\sim	
	TEM analyst: Sandhya Gunasekara	M) 0	
PLM analyst: Bryan Manke;	TEM analyst: Sandhya Gunasekara	10000000	
Qualitative Analysis: Asbestos analysis results of "Present"	" or "NVA = No Visible Asbestos" repres	sent results for Qualitative PLM	or TEM Analysis only; NA = not analyzed;
Warning Note: PLM limitation only TEM will resolve fit	hers <0.25 micrometers in diameter.		

Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; TEM (Semi/Full) by EPA 600/R-93/116; or ELAP 198.1/198.4 for New York sample NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <or=1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

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SCILAR RUSIUM

SciLab Job#: 399121768

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

Blasland, Bouck and Lee; GE Pittsfield

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
09	315120199-05A	05					Chrysotile 20.	NA
10	Bldg, 31J - Room 1 315120199-06A	06	0.152	88.12	10.05	1.74	NAD	Chrysotile Trace
	Bldg. 31J - Roof							
11	315120199-06В	0 6		G -Whose	sintending. "	Brazille	NAD	NA/PS
10	Bldg, 31J - Roof	07					NIAD	NT 4
12	315120199-07A	07					NAD	NΛ
13	Bidg. 31J - Roof 315120199-07B Bidg. 31J - Roof	07	aud 14 to	guntagasin	•	6 -0	NAD	NΛ

PLM analyst: Bryan Manke______; TEM analyst: Sandhya Gunasekara_______ (Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed; Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt P, Appd A; TEM (Semi/Full) by EPA 600/R-93/116; or ELAP 198.1/198.4 for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <or=1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

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7	315120199-048		FART		- VO		
8	315120199-04	BLD6.315- Par	ma	TRANSITE PIPE	05		
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PREPARED FOR:

BLASLAND, BOUCK & LEE, INC. 6723 TOWPATH ROAD BOX 66 SYRACUSE, NEW YORK 13214-0006

ASBESTOS & LEAD INSPECTION REPORT

FOR
BUILDING NO. 31P
AT
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

PREPARED BY:

ATC ASSOCIATES INC.
39 SPRUCE STREET
EAST LONGMEADOW, MASSACHUSETTS 01028

December 7, 1999

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1.0 SITE INSPECTION SUMMARY

SITE: Bu

Building No. 31P

General Electric Company Pittsfield, Massachusetts

OWNER:

General Electric Company

100 Woodlawn Avenue

Pittsfield, Massachusetts 01201

CLIENT:

Blasland, Bouck & Lee, Inc.

6723 Towpath Road

Box 66

Syracuse, New York 13214-0006

The enclosed Asbestos and Lead Inspection Report was performed and prepared by ATC Associates, Inc. The survey included a comprehensive inspection of all areas of the building.

The following licensed and accredited inspectors performed the Inspection:

Adam Lesko Asbestos Inspector #AI71130

Steve Dolinski Lead Inspector #I3171

The Inspection Report was reviewed and approved by:

Derrick Wissman Project Manager

2.0. SITE DESCRIPTION

Building No. 31P consists of a one-story concrete block building with a corrugated metal roof that was formerly used for storage. The building is currently unoccupied and scheduled for demolition.

3.0 ASBESTOS INSPECTION

ATC's Scope of Work included a comprehensive Asbestos Inspection of the building. Outlined below is a description of ATC's testing methodology.

3.1 Asbestos Protocol

ATC performed a comprehensive demolition survey to access all suspect asbestos-containing materials throughout the building. ATC was not responsible for repair of any building components and/or equipment, which became damaged as a result of ATC's inspection. The Asbestos Inspection included a visual assessment of suspect asbestos-containing materials throughout the building and subsequent bulk sampling and analysis was performed.

3.2 Sampling Methodology

EPA and OSHA define ACBM as any material which contains greater than 1 percent asbestos. The ACBM inspection and bulk sampling was performed in accordance with the methods outlined in the U.S. EPA guidance document titled, *Guidance for Controlling Asbestos-Containing Materials in Buildings* (Document No. 560/5-85/024). In addition, bulk sampling of asbestos was performed in accordance with 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA) requirements for number of samples and types of ACBM to be sampled. According to these requirements, materials are classified as either surfacing (e.g., ceiling plaster, wall plaster, spray-applied fireproofing), thermal system insulation (e.g., pipe insulation, pipe fitting insulation, boiler insulation), or miscellaneous materials (e.g., floor tile, ceiling tile, wallboard). The number of samples collected from each material varies based on the classification of the material and increases as the potential for a non-uniform mixture of asbestos in the material increases.

3.3 Sample Collection

Samples collected for asbestos analysis were obtained by qualified and certified (Certified Massachusetts Inspector) personnel utilizing proper safety measures such as wetting the material prior to sampling, cleaning up the area by wet wiping any resulting residual debris, and wearing proper personal protective equipment, as needed. In order to be certain of sampling the entire thickness of a material, coring tools and knives were utilized to penetrate all layers of a material. All collected samples were then placed in appropriately labeled airtight containers for shipment to the laboratory for analysis.

3.4 Sample Analysis (PLM)

All bulk samples were analyzed for asbestos content using Polarized Light Microscopy (PLM) with Dispersion Staining (EPA Method 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Building Materials). To qualify as asbestos-containing, the material must be determined to contain greater than one percent (>1%) asbestos from a homogeneous material area set of samples.

Consequently, according to the EPA/AHERA criteria, all bulk samples from a homogeneous area must be found to contain *less than or equal to one percent* $(\leq 1\%)$ asbestos in order to be classified as non-asbestos-containing.

3.5 Sample Analysis (TEM)

In addition, floor tile and other non-friable organically bound (NOB) materials which initially tested negative by PLM analysis were reanalyzed by Transmission Electron Microscopy (TEM). All TEM analysis was performed utilizing ELAP-198.4 TEM Method for Identifying and Quantifying Asbestos in NOB Bulk Samples.

4.0 LEAD PAINT INSPECTION

ATC performed a comprehensive lead inspection of painted, stained or varnished components located throughout the building. Outlined below is a description of ATC's testing methodology.

4.1 Testing Protocol

All testing was performed utilizing a portable X-Ray Fluorescent (XRF) Analyzer. In addition, paint chip samples were collected from select material substrates to confirm lead content if use of the XRF was not feasible or if results were inconclusive. For the purpose of reporting, the building was divided into "testing combinations". Testing combinations are defined as types of painted building components which appear uniform in paint color and architectural feature.

4.2 XRF Analysis

A Radiation Monitoring Device LP1, serial number 1092 was used for all on-site XRF testing. The instrument was operated in the "Quick-Mode" which adjusts the length of each reading based upon the substrate, until there is a 95% confidence level is achieved. All personnel who operated the portable XRF analyzer were trained by the manufacturer in safety measures and testing protocols. In accordance with the Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62 Regulations, any result of lead greater than 0.0 constitutes the material to be considered lead-containing and subject to the regulations.

4.3 Paint Chip Sample Analysis

Inconclusive XRF readings or areas where XRF analysis was not feasible required paint chip samples to be collected and analyzed by Atomic Absorption Spectrophotometry (AAS). In accordance with the Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62 Regulations, any result of lead greater than 0.0 constitutes the material to be considered lead-containing and subject to the regulations.

5.0 FINDINGS

Asbestos and lead-containing materials were detected in several MATERIAL applications at the site. Refer to the following Attachments for a summary of each materials tested, location, and analysis result:

Asbestos-Containing Materials: Refer to Attachment A

Non-Asbestos Materials: Refer to Attachment B

Lead Testing Results: Refer to Attachment C

6.0 CONCLUSIONS

The majority of the asbestos and lead materials were found to be in fair/poor condition and are located throughout the building. As previously stated in this report, the building is scheduled for demolition which will require the following response actions be implemented as part of the demolition project:

- A. In accordance with Massachusetts Department of Environmental Protection (DEP) and EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) Regulations, all materials found to be asbestos-containing in the building will be required to be abated prior to renovation/demolition activities. In addition, all asbestos abatement work shall be performed by a Massachusetts licensed Asbestos Abatement Contractor in accordance with local, state and federal regulations.
- B. All demolition work which disturbs lead-containing materials will be subject to OSHA 29 CFR 1926.62 "Lead in Construction Regulations". Under OSHA, the employer is responsible for protection of their employees when performing renovation and/or demolition work which disturbs lead materials. Compliance shall include written programs, medical monitoring, exposure assessment testing and engineering controls.

ATTACHMENT A

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

ATTACHMENT A

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

<u>Location</u>	<u>Material</u>	Quantity	<u>Comments</u>		
Room 1	Gaskets	16 each	Throughout in Misc. Equipment		

ATTACHMENT B

SUMMARY OF NON-ASBESTOS MATERIALS

ATTACHMENT B

SUMMARY OF NON-ASBESTOS MATERIALS

Location	<u>Material</u>	<u>Comments</u>
Exterior	Window Glazing	1
Roof	Tar Roofing Material	
Room 1	Black Felt Paper Pipe Wrap	In walls
Interior and Exterior	Paint	

ATTACHMENT C

SUMMARY OF LEAD-CONTAINING MATERIALS

Sample	Room	Testing Combination	XRF Result	Condition	Notes
No.					
1	Room 1	Gray Metal Door	0.0	Poor	
2	Room 1	Gray Metal Door Frame	0.0	Fair	
3	Room 1	Gray Block Wall	0.1	Fair	
4	Room 1	Gray Metal I-Beam Column	0.0	Fair	
5	Room 1	Gray Metal Conduit	0.0	Poor	
6	Room 1	Gray Metal Machinery Base	0.0	Poor	
7	Room 1	Gray Cement Machinery Base	0.0	Poor	
8	Room 1	Gray Metal Window	-0.7	Poor	
9	Room 1	Gray Metal Electric Box	0.0	Poor	
10	Room 1	Black Metal Wall Supports	0.0	Fair	
11	Room 1	Gray Metal Pipe	0.0	Poor	
12	Room I	Red Metal Machinery Base	0.1	Poor	
13	Room 1	Black Cement Machinery Base	0.0	Poor	
14	Room 1	Green Metal Flange	0.3	Fair	
15	Room 1	Green Metal Tank	0.0	Poor	
16	Room 1	Gray Metal Vent	0.0	Poor	
17	Room 1	Off - White Metal Pipe	0.0	Poor	
18	Room 1	Black Metal Pipe	0.0	Poor	
19	Room I	Off – White Metal Conduit	0.0	Poor	
20	Room 1	Off – White Metal Ceiling	0.1	Fair	
21	Room 1	Off - White Metal Angle Iron Beam	0.1	Fair	
22	Room 1	Off - White Metal Angle Iron Beam	0.0	Poor	
		Support			
23	Room 1	Off – White Metal I-Beam	0.0	Poor	
24	Room 1	Off - White Block Wall	0.0	Good	
25	Room I	Gray Metal Fan Housing	0.1	Fair	The state of the s
26	Room 1	Green Metal Pipe	0.1	Fair	
27	Room 1	Green Metal Supports	0.0	Fair	
28	Room 1	Green Metal Tank	0.0	Fair	
29	Room I	Red Metal Machinery	0.7	Fair	
30	Room 1	Off – White Metal Tank	0.1	Fair	

ATTACHMEN'I C LBP INSPECTION/INVENTORY FIELD FORM BUILDING 31 - P

Sample	Room	Testing Combination	XRF Result	Condition	Notes
No.					
31	Exterior	Brown Metal Door	0.1	Fair	
32	Exterior	Brown Metal Door Frame	0.1	Fair	
33	Exterior	Brown Block Wall	1.4	Fair	
34	Exterior	Brown Metal Vent	0.4	Fair	
35	Exterior	Brown Metal Pipes	0.0	Poor	
36	Exterior	Brown Cement Window Sill	0.5	Poor	
37	Exterior	Brown Metal Window	0.2	Poor	
38	Exterior	Brown Metal Soffit	0.1	Poor	
39	Exterior	Brown Metal Upper Trim	0.1	Fair	

Asbestos & Lead Inspection Report General Electric – Pittsfield Building No. 31P

ATTACHMENT D

LABORATORY REPORTS/CHAIN-OF-CUSTODY (PLM ASBESTOS)



8 SCHOOL STREET WEYMOUTH, MA 02189

TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow Date Received

12/03/99

SciLab Job No. 399121766

Attn: Sandy Fabian

Date Examined

12/04/99

P.O. # Blasland, Bouck and

39 Spruce Street

Page 1 of 4

1st Floor

East Longmeadow, MA 01028

RE: Blasland, Bouck and Lee; GE Pittsfield

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

31P120199-01A

399121766-01

No

NAD

01

Location: Bldg. 31P - Room I

Description: Grey, Homogeneous, Window Glazing

Asbestos Types:

Other Material: Talc 2. %. Non-fibrous 98. %

NAD

31P120199-01B

399121766-02

No

01

Location: Bldg. 31P - Room 1

Description: Grey, Homogeneous, Window Glazing

Asbestos Types:

Other Material: Talc 2. %, Non-fibrous 98. %

31P120199-02A

399121766-03

No

NAD

02

Location: Bldg. 31P - Roof

Description: Black, Homogeneous, Tar Roofing Marrial

Asbestos Types:

Other Material: Non-fibrous 100. %

31P120199-2B

399121766-04

No

NAD

02

Location: Bldg. 31P - Roof

Description: Black, Homogeneous, Tar Roofing Matrial

Asbestos Types:

Other Material: Non-fibrous 100. %

31P120199-3A

399121766-05

No

NAD

03

Location: Bldg. 31P - Exterior

Description: Black, Homogeneous, Black Felt Paper Pipe Wrap

Asbestos Types:

Other Material: Cellulose 60. %, Synthetic fibers 10. %, Non-fibrous 30. %



8 SCHOOL STREET WEYMOUTH, MA 02189

TEL: (781) 337-9334 • FAX: (781) 337-7642

Page 2 of 4

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow Date Received

12/03/99

SciLab Job No. 399121766

Attn: Sandy Fabian

Date Examined

P.O. # Blasland, Bouck and 12/04/99

39 Spruce Street 1st Floor

East Longmeadow, MA 01028

RE: Blasland, Bouck and Lee; GE Pittsfield

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

31P120199-3B

399121766-06

No

NAD

03

Location: Bldg. 31P - Exterior

Description: Black, Homogeneous, Black Felt Paper Pipe Wrap

Asbestos Types:

Other Material: Cellulose 60. %, Synthetic fibers 10. %, Non-fibrous 30. %

31P120199-3C

399121766-07

Yes

≤1.%

03

Location: Bldg. 31P - Exterior

Description: Black, Homogeneous, Black Felt Paper Pipe Wrap

Asbestos Types: Chrysotile Trace

Other Material: Cellulose 60. %, Fibrous glass Trace, Synthetic fibers 10. %,

Non-fibrous 30. %

Comment: Chrysotile present appears to be surface contamination.

31P120199-4A

399121766-08

No

NAD

04

Location: Bldg. 31P - Interior Wall

Description: Grey, Homogeneous, Paint

Asbestos Types:

Other Material: Non-fibrous 100. %

31P120199-4B

399121766-09

No

NAD

04

Location: Bldg. 31P - Exterior

Description: Brown, Homogeneous, Paint

Asbestos Types:

Other Material: Non-fibrous 100. %



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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow Date Received

12/03/99

SciLab Job No. 399121766

Attn: Sandy Fabian

Date Examined

12/04/99

P.O. # Blasland, Bouck and

39 Spruce Street

The state of the s

Page 3 of 4

1st Floor

East Longmeadow, MA 01028

RE: Blasland, Bouck and Lee; GE Pittsfield

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

31P120199-4C

399121766-10

No

NAD

04

Location: Bldg. 31P - Exterior .

Description: Brown, Homogeneous, Paint

Asbestos Types:

Other Material: Non-fibrous 100. %

31P120199-4D

399121766-11

No

NAD

04

Location: Bldg. 31P - Interior Ceiling

Description: Off-White, Homogeneous, Paint

Asbestos Types:

Other Material: Talc 3. %, Non-fibrous 97. %

31P120199-4E

399121766-12

No

NAD

04

Location: Bldg. 31P - Interior Column

Description: Grey, Homogeneous, Paint

Asbestos Types:

Other Material: Non-fibrous 100. %

31P120199-5A

399121766-13

Yes

80 %

05

Location: Bldg. 31P - Room

Description: Grey, Homogeneous, Gasket

Asbestos Types: Chrysotile 80. %
Other Material: Non-fibrous 20. %



8 SCHOOL STREET WEYMOUTH, MA 02189

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow Date Received

12/03/99

SciLab Job No. 399121766

Attn: Sandy Fabian

Date Examined

12/04/99

P.O. # Blasland, Bouck and

Page 4 of 4

39 Spruce Street 1st Floor

East Longmeadow, MA 01028

RE: Blasland, Bouck and Lee; GE Pittsfield

Reportin	g Notes:
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Analyzed by: Glenn Massey

"NAD/NSD = no asbestos detected; NA = not analyzed: Bulk Asbestos Analysis per 40 CFR 763, Subpart F. Appendix A and ELAP Analysis Protocols 198.1/198.4 for New York samples: Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates ONLY to the items tested.

Reviewed by:

CO CO IDTOT

Asbestos & Lead Inspection Report General Electric – Pittsfield Building No. 31P

ATTACHMENT E

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM ASBESTOS)

SciLab Job#: 399121766

Client Name: ATC Associates, Inc., East Longmeadow

Table I Summary of Bulk Asbestos Analysis Results

Blasland, Bouck and Lee; GE Pittsfield

SciLab Sample	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Ashestos % by TEM
01	31P120199-01A	01	0.645	11.20	84.68	4.12	NAD	NAD
02	Bldg. 31P - Room 1 31P120199-01B	01	4000		****		NAD	NA
03	Bldg. 31P - Room 1 31P120199-02A	02	0.09	96.67	2.33	0.90	NAD	Chrysotile Trace
04	Bldg. 31P - Roof 31P120199-2B	02		-	Made 11 df		NAD	NA/PS
05	Bldg. 31P - Roof 31P120199-3A	03			•	<u> </u>	NAD	NA
06	Bldg. 31P - Exterior 31P120199-3B	03	****				NAD	NA .
07	Bldg. 31P - Exterior 31P120199-3C Bldg. 31P - Exterior	03	*****	,			Chrysotile Trace	NΛ
0,8	31P120199-4A Bldg, 31P - Interior Wall	04					NAD	NA

Reviewed by:	
PLM analyst: Glenn Massey;	TEM analyst: Sandhya Gunasekara Wwaelon.
Qualitative Analysis: Asbestos analysis results of "Present"	" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only; NA = not analyzed;
Warning Note: PLM limitation, only TEM will resolve fib	bers <0.25 micrometers in diameter.

Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; TEM (Semi/Full) by EPA 600/R-93/116; or ELAP 198.1/198.4 for New York samples NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <or=1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Scilab Job#: 399121766

Client Name: ATC Associates, Inc., East Longmeadow

. Table I Summary of Bulk Asbestos Analysis Results

Blasland, Bouck and Lee; GE Pittsfield

SciLab Sample #	Client Sample# Location	HG Arca	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Ashestos Inorganic %	** Ashestos % by PLM/DS	** Ashestos % by TEM
09	31P120199-4B	04	0.049	33.77	23.32	42.91	NAD	NAD
10	Bldg. 31P - Exterior 31P120199-4C	04	anarma			and the state of t	NAD	NA
11	Bldg. 31P - Exterior 31P120199-4D	04	-		******		NAD	NA
12	Bldg. 31P - Interior Ceiling 31P120199-4E	04			*	a service	NAD	NA
13	Bldg. 31P - Interior Colum 31P120199-5A	n 05	g produce	*****		gazetta	Chrysotile 80.	NA
	Bldg. 31P - Room							

Reviewed by:			
PLM analyst: Glenn Massey	TEM analyst: Sandhya Gunasekara_	Whoden	
Qualitative Analysis: Asbestos analysis results of "Present"	or "NVA = No Visible Asbestos" repre	esent results for Qualitative PLM or	ΓΕΜ Analysis only; NA = not analyzed;
Warning Note: PLM limitation, only TEM will resolve fit		•	

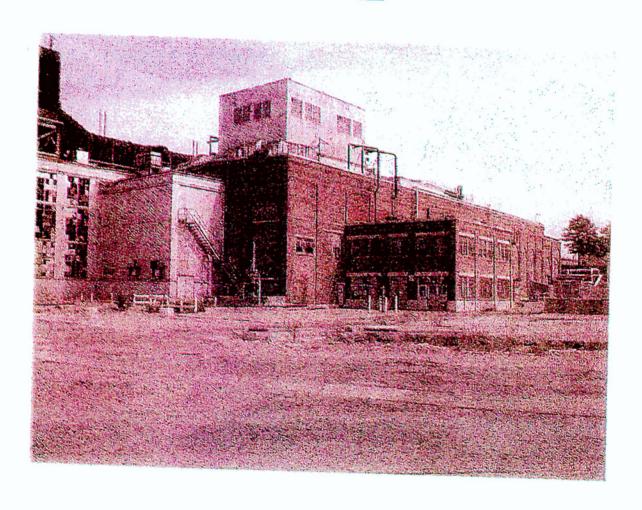
Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM per 40 CFR 763, Subpt F, Appd A; TEM (Semi/Full) by EPA 600/R-93/116; or ELAP 198.1/198.4 for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <or=1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Section 3

BLASLAND, BOUCK & LEE, INC. engineers & scientists

ChemCept, Inc. Report for Building 31

GENERAL ELECTRIC PITTSFIELD BUILDING #31





Chemcept was hired to do a final chemical sweep of the General Electric Pittsfield Power Plant (Bldg 31). Over a Two-week period from 29 Sept thru 11 Oct, Chemcept methodically scanned the various levels and rooms of the power plant.

The following is a detailed report of the hazardous materials found and actions taken during the sweep of the building.

All waste that was recovered during the sweep was stored in containment bins. The bins were positioned on the interior truck loading dock in building 31. Once the job was completed all waste recovered was transported to building 12. Gearboxes and motors that were drained of oil, had speedy-dry poured in them. The speedy-dry was used to soak up any residual oil that may have puddle in the motors. In total 110 gallons of oil was recovered during the chemical sweep of the power plant.

Materials that could not be removed due to time restraints were marked for easy identification. All transformers are marked with a red letter T. The hydrautic pistons are marked with the letter P. Florescent and mercury lights were not marked, as they are easily visible. All items are detailed in the following pages.

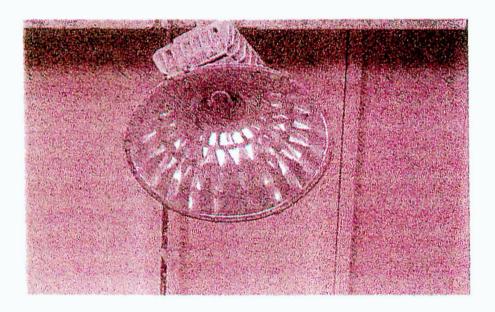
31 main 1 (Main floor)

The main floor in the building had very little in hazardous materials that could be removed.

- · Drained I quart of oil from metal cutter on floor.
- Pulled 2 lead acid batteries (emergency lighting).

Material that could not be reached.

- * 25-ton crane, could not reach motors to drain oil.
- 15 fluorescent fixtures with 19 bulbs and PCB ballast.
- 3 dry type transformers.
- Main level beiling contains 42 mercury light fixtures with bulbs.



31 Loc (locker room)

There were no hazardous materials removed from the locker room,

Hazardous materials that were not removed.

12 fluorescent fixtures, 22 bulbs and PCB ballast were left.

31 H2O-1 (water heating room)

 The water heater room was checked and there were no hazardons materials were detected in the room.

31 Sto-1 (store room main level)

• The storeroom contained 6 fluorescent light fixtures with 9 bulbs and 3 PCB ballast. The fixtures were left in place, no other hazardous materials were found.

31 Main + 1

- Pulled 1 PCB ballast from gauge closet located in center of room.
- Left 1 small dry type transformer.

31 Sup 1 (supply room)

- There were no hazardous materials pulled from store room
- Left in room were 2 dry type transformers, 4 fluorescent light fixtures with 8 bulbs and ballasts.

31 Cla 1 (class room)

- The class room had no hazardous materials that were pulled
- Left in classroom were 2 fluorescent fixtures with 2 bulbs and PCB ballast.

31 Elc 1 (electrical room)

- Removed 1 lead acid battery used for emergency lighting. Also removed 1 pint metal can with unknown material.
- In the electrical room there were 2 switch cabinets. In the cabinets there are 20 switches that contain a 1quart oil reservoir that could not be drained. There was also a dry transformer in each switch.
- On the ground in the room there were 19 switches, of the 19 only 2 had oil reservoirs in them. All 19 switches contained a dry type transformer.
- 9 fluorescent light fixtures with 10 bulbs and PCB ballast were left in the room.



31-Bat 1 (battery room)

- Drained 2 gearboxes and motors, recovered 2 20orts of oil.
- Left 2 dry type transformers

31-Off 1 (offices)

 The offices were empty except for 47 fluorescent fixtures with 92 bulbs and PCB ballast witch were left in place.

31-Gag 1 (gauge room)

- * There are 18 gauge closets in the room all are void of any hazardous materials.
- Left in the room are 7 fluorescent light fixtures that contain 13 bulbs and PCB ballast.

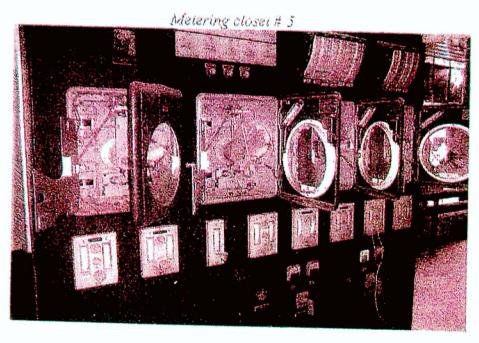
31-Main +1/2

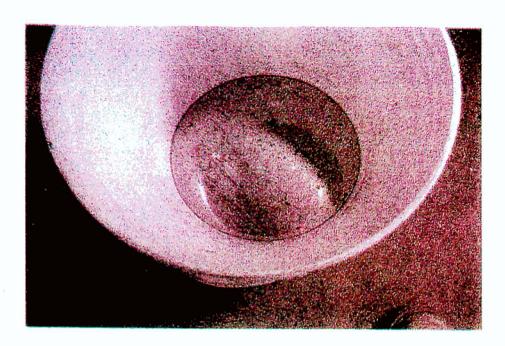
31-Main +1/2 contained 7 metering closets, 4 gearboxes and motors, 1 switch box and a caustic and acid tank.

31-Main+1/2 continued

- Pulled 5 mercury switches from metering closets and the boiler.
- Drained oil from gearboxes and motors, recovered 1.5 quarts of oil.
- 62 cartridges and bottles filled with ink were pulled from the ? merering closers.
- Metering closet # 5 contained 2 mercury reservoirs. Drained 65 Lbs. Of mercury from the reservoirs.

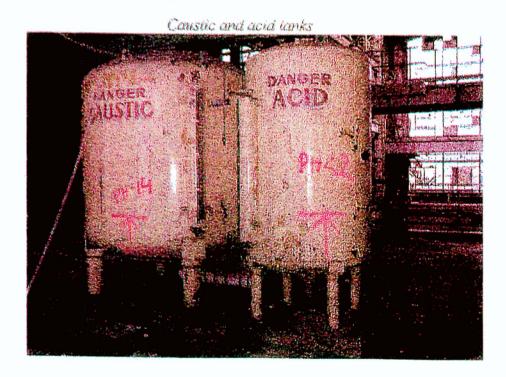
Note: Prior to draining reservoirs in station # 5, mercury contamination was noticed on the floor as well as the exterior of the reservoirs.

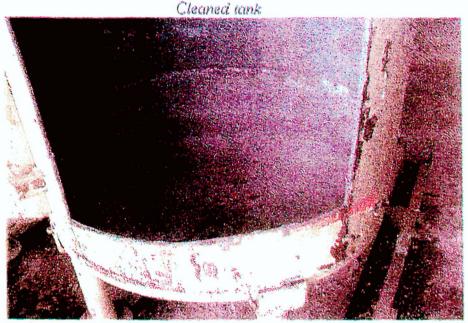




Mercury From Reservoirs

- Removed PCB ballast from metering closet # 5.
- Metering closet #7, we removed a carbon scrubber with 5 Lbs. of activated carbon.
- Removed 11 (55) gallow draws of material from the caustic and acid tanks.





· Pulled I lead acid battery, used for emergency lighting.

Material left on level 31-Main+1/2

- 5 dry type transformers were not removed.
- 32 fluorescent fixtures containing 49 butbs, and PCB ballast.
- Switch box # 1 (Swi#1), has 11 oil canisters with 1 quart of oil, 16 transformers, and 16 capacitors. Material could not be remove do to the extensive man-hours required dismantling switch box.
- 8 fluorescent bulbs in a light box on the floor.
- 8 air conditioning units with freon canisters in them.
- I water cooler with freon canister.

31-Comp 1 (compressor room)

The compressor room had ground water filling the pits between the compressors. Absorbent pads were put down to absorb the water. Speedy dry was added to all the compressors.

Material pulled from the compressor room.

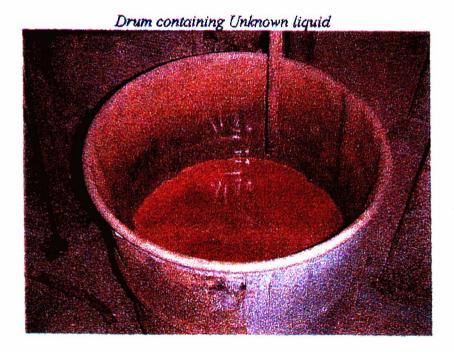
- Drained 2 gearboxes and 2 motors of oil. Collect 1 gallon of oil.
- Pulled 1 lead acid battery from emergency lighting.
- Removed 1 mercury switch from small compressor.

Materials left in compressor room.

- 6 Transformers dry type.
- 14 mercury vapor lights and fixtures.
- 10-ton crane.
- 1 small compressor contaminated with mercury.

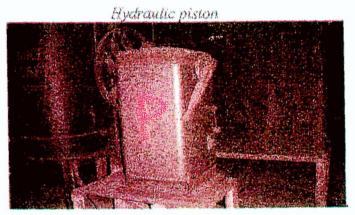
31-Bas 1a (main basement area)

- Drained 11 gearboxes and motors. Total oil recovered 15 gallons.
- 16 flasks, which last contained mercury. (All are empty).
- Drained I (55) gallon drum ½ full of Unknown liquid.



Materials left in 31Bas 1a.

- 4 Transformers non PCB
- I hydraulic piston switch.



31. Estor I (basement dry store room)

- Pulled 2 (5) gal. Pails with a resin type material in them.
- 35-40 (50) the bags of LITE CAST 75-28 concrete was left in store room.

31. Bstor 2 (mechanical store room)

- · Removed 6 mercury bulbs from storeroom.
- Removed 3 lbs. of elemental mercury located on a shelf.
- Left (2 fluorescent light fixtures containing 11 bulbs and PCB ballasts.

31-Bas 16 (left side of main basement)

- Drained 19 gearboxes and motors. Recovered 20 gallons of oil,
- * Found 3 various size containers with unknown materials in them.
- Left in basement 5 hydraulic pistons.
- 16 fluorescent light fixtures, containing 12 bulbs and PCB ballast.
- 14 transformers (non-PCB type).

31. Bas le

- Drained 5 gearboxes and motors, recovered 4 gallons of oil.
- Left 6 transformers (non-PCB type).
- * All lighting in this section was incandescent.

31. Belc 1 (basement electrical room)

- Removed 2 containers both 1-quart size containing unknown material.
- Left 7 transformers (pon-PCB type)



31- Bas 1d

- Drained 3 gearboxes and motors, recovered 2 gallons of oil.
- Left I transformer (non-PCB type).

31- Bas 1e

• Drained 4 pumps, recovered 1-1/2 gallons of oil.

31- Bas If (water pump room)

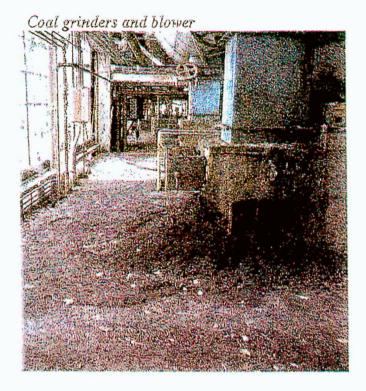
- Drained 2 pumps and motors, recovered ½ gallon of oil.
- Removed 1 (15) gallon drum filled with lubricating grease.
- Left in room were 4 transformers (non-PCB type).
- 7 fluorescent light fixtures containing 14 bulbs and PCB ballast were also left in 31-Bas 1f.

31-Bas 1g (fire pump room)

- There were no hazardous materials found in the fire pump room.
- Left in the room were 4 fluorescent light fixtures containing 4 bulbs and PCB ballasts.
- Located off the pump room is a utility tunnel that ran to the auxiliary powerhouse. Some of the pipes located in the tunnel are still lined with asbestos.

31-2 (second level)

- Pulled 2 mercury switches located by boilers.
- Drained 2 motors containing 1 quart of oil each from the coal grinders.
- The coal grinders contained 1 hydraulic piston each. The pistons were not removed.
- Overflowing from the coal grinders is an estimated 1-2 tons of coal. The coal was not removed.
- 9 fluorescent fixtures containing 13 bulbs and PCB ballast were left on 31-2.



31-Plt 1 (boiler platform #1)

- No hazardous material was removed from 31- Plt 1.
- 3 fluorescent fixtures containing 4 bulbs and PCB ballast remain.

31-Plt 2 (boiler platform #2)

- 2 motors were drained. Recovered I quart of oil.
- There are 15 fluorescent light fixtures, containing 26 bulbs and PCB ballast on 31-Plt 2.

I-3 (Upper boiler area)

No hazardous materials were found on this level.

1-4 (blower room)

 Drained 5 gearboxes and motors. Removed 10 gallons of oil from the gearboxes and motors.

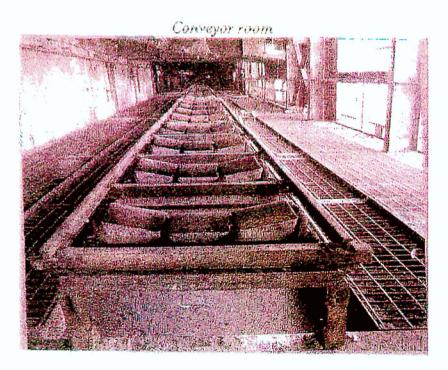
- Drained a 15 gallon oil reservoir tank witch contained approximately 7 gallons of oil.
- Cut and drained all piping leading to and from oil reservoirs.
- Removed 3 mercury switches.
- 4 mercury vapor lights remain on level 31-4.
- 3 hydraulic pistons remain on level 31-4.

31-Ehr / (elevator platform)

- · Drained Ligearbox and motor. Removed 1/2 gallon of oil
- Removed I mercury switch.
- Removed 2 glass jars with unknown tiquids.

31. Con 1 (conveyor coom)

- · Drained conveyor motor of I quart of oil.
- Coal hoppers still contain coal and coal soot.



Plt #3, and Plt #4

• There were no hazardous materials found on both platforms.

31 Bstor 3 (basement electrical store room)

- Removed 3 containers with unknown materials.
- Removed 1 empty mercury flask.

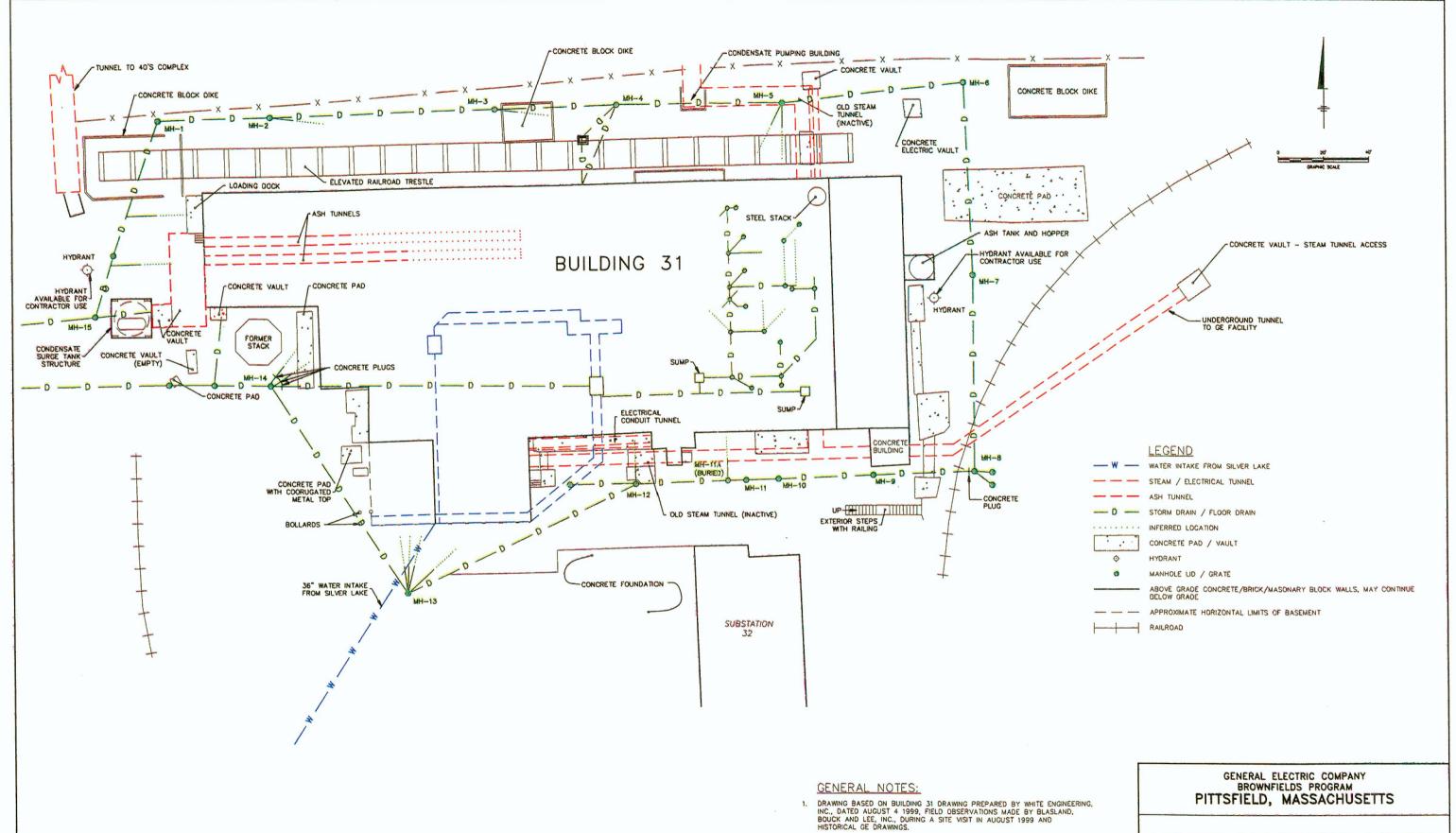
31-outs 1 (exterior of building)

- 4 mercury vapor lights located on roof and exterior of building.
- 1 air conditioner with Freon canister.

Section 4

BLASLAND, BOUCK & LEE, INC. engineers & scientists

Building 31 Basement Tunnels



2. ALL FEATURES AND LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR.

3. THE PENETRATIONS/OPENINGS PRESENTED ON THIS DRAWING ARE NOT ALL INCLUSIVE. ADDITIONAL PENETRATIONS/OPENINGS IDENTIFIED DURING DEMOLITION ACTIVITIES MUST BE ADDRESSED AS PER THE ACCOMPANYING SPECIFICATION.

BUILDING 31 BASEMENT TUNNELS

BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE

Section 5

BLASLAND, BOUCK & LEE, INC. engineers & scientists

General Electric Company Pittsfield, Massachusetts Brownfields Program

Date	Scope of Investigation	Summary of Results
June 1989	Fourteen wipe samples were collected from painted and unpainted surfaces of various equipment (i.e., compressor, pipe, air tank, generator, control cabinet, and overhead crane rail) within the compressor room and analyzed for PCBs.	Results ranged between < 1 ug/100cm ² and 11 ug/100cm ² .
June 1989	Ten grab samples were collected from oil (in compressors) located within the compressor room and analyzed for PCBs.	Results did not identify the presence of PCBs above the laboratory detection limit of 2 ppm.
April 1992	Two pre-clean wipe samples and four grab samples of oil were collected from compressors #4 and #5 and analyzed for PCBs.	Results for the wipe samples from compressors #4 and #5 were < 1.0 ug/100cm ² and 1.4 ug/100cm ² , respectively. Results for oil grab samples from compressors #4 and #5 were < 1.0 ppm.
July 1992	A wipe sampling program was implemented within Building 31 and consisted of collecting one sample from horizontal and vertical surfaces on a 50-foot grid in the "main open area". Samples were also collected from other portions of the building (i.e., men's room, powerhouse, basement, compressor room, and office area). In total, 40 wipe samples were collected from surfaces located approximately 6 feet above the floor surface and analyzed for PCBs.	Results from this wipe sampling program ranged from < 1.0 ug/100cm ² to 16 ug/100cm ² .
July 1992	Twelve wipe samples were collected from unpainted surfaces of steel piping located on carts within the building and analyzed for PCBs.	Results ranged between 1.3 ug/100cm ² and 5.0 ug/100cm ² .

^{*} This summary does not include sampling results from materials that are known to be no longer present at Building 31.

General Electric Company Pittsfield, Massachusetts Brownfields Program

Date	Scope of Investigation	Summary of Results
November 1993	Two pre-clean wipe samples were collected from painted metal surfaces of two meters located within Building 31 and analyzed for PCBs.	Results for both wipe samples were 1.3 ug/100cm ² .
February 1994	Six grab samples were collected from ACMs on pipes connected to boiler numbers 14-16 and analyzed for PCBs.	Results ranged between 0.51 ppm and 82 ppm.
April 1994	Seven full core samples were collected from ACMs on pipes and analyzed for PCBs.	Results ranged between < 0.5 ppm and 0.56 ppm.
April 1994	Three composite samples were collected of gray, green, and yellow "asbestos paint" on pipes and analyzed for TCLP Metals.	Results indicated that mercury was present in the gray, green, and yellow paint at 0.0017 mg/l, 0.021 mg/l, and 0.0014 mg/l, respectively. Lead was also present in the gray paint at 0.6 mg/l. Remaining metals were not detected above laboratory detection limits.
April 1994	Seven discrete 1-centimeter core samples were collected from ACMs on pipes and analyzed for PCBs.	Results ranged between < 0.5 ppm and 5.5 ppm.
April 1994	Six discrete grab samples and one discrete scrape sample were collected from interior surfaces of boilers located within Building 31 and analyzed for PCBs.	Results did not identify PCBs above the laboratory detection limit of 0.5 ppm.
April 1994	Seven discrete 1-centimeter core samples were collected from asbestos ductwork covering material located throughout Building 31 and analyzed for PCBs.	Results ranged between < 0.5 ppm and 1.5 ppm.

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Date	Scope of Investigation	Summary of Results
April 1994	Seven discrete 1-centimeter core samples were collected from asbestos condensate pipe covering material located throughout Building 31 and analyzed for PCBs.	Results ranged between < 0.5 ppm and 1.3 ppm.
April 1994	Seven discrete 1-centimeter core samples were collected from asbestos covering material located on the eastern and western water treatment systems and analyzed for PCBs.	Results ranged between < 0.5 ppm and 5.8 ppm.
January 1995	One composite sample was collected of resin beads from the powerhouse water conditioning system and analyzed for TCLP Metals.	Results did not identify metals above the laboratory detection limits.
March 1995	One grab sample from sweepings originating in Building 31 was analyzed for PCBs and TCLP Metals.	Results did not identify PCBs or metals above the respective laboratory detection limits.
March 1995	One composite paint chip sample (that originated in Building 31) was collected and analyzed for TCLP Metals.	Results indicated that mercury was present at 0.009 mg/l, and lead at 1.7 mg/l. Remaining metals were not detected above laboratory detection limits.
August 1996	One grab sample was collected of oil from piping located within the Building 31 basement and analyzed for PCBs.	Results indicated that PCBs were present at 5 ppm.
August 1996	Two grab samples were collected from pipe insulation (one sample from within the Building 31 basement and the other from the tunnel beneath the tracks to Building 43's yard) and analyzed for asbestos.	Results ranged between < 1.0% (Building 31 basement) and 24.0% (tunnel beneath tracks to Building 43's yard).

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General Electric Company Pittsfield, Massachusetts Brownfields Program

Date	Scope of Investigation	Summary of Results
January 1997	Five pre-clean wipe samples were collected from a steel pipe (formerly used to convey oil) removed from Building 31 and analyzed for PCBs.	Results ranged between < 2 ug/100cm ² and 120 ug/100cm ² .
June 1997	Three composite samples were collected from refractory brick that was stockpiled within Building 31 and analyzed for PCBs and TCLP Metals.	PCB results did not identify PCBs above the laboratory detection limit of 1 ppm. TCLP results indicated that barium was present between 0.18 mg/l and 0.34 mg/l, and chromium between 0.07 mg/l and 0.1 mg/l. Remaining metals were not detected above laboratory detection limits.

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